

APPLICATION  
FOR  
UNITED STATES LETTERS PATENT

For  
Remote Remonitoring

Appendix A

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SHOWSUM Windows v2.0.3.0 - Nov 9 2000 00:24:17  
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Opening file "pwc\_20010118\_0000\_w4.sum"

Total records: 24

--Header-----

Col version: 2.0.2.0  
OS version: 4.0.1381.0  
OS type: Windows  
Platform: x86  
VirtualHour: 3600 - 00 01:00:00 (DD HH:MM:SS)  
VirtualDay: 86400 - 01 00:00:00 (DD HH:MM:SS)  
Timestamp: 2001/01/17 23:00  
Col start time: 2001/01/10 11:09

--SysInfo-----

Sysver: MS Windows NT Server ver 4.0.1381 (sp 6.0) Service  
Pack 6  
CustomerID: 05500100011513  
MachineID: 90A300000000052  
CompName: SAPDTI  
HostName: sapdti  
IPAddress: 192.168.1.149  
Processor: x86 Family 6 Model 7 Stepping 2  
ProcessorSpeed: 497 (MHz)  
ProcessorIdent: GenuineIntel  
TotalProcessors: 2  
ActiveProcessors: 2  
TotalMemory: 1047976 (KB)  
PageSize: 4096 (B)  
RegistrySizeLimit: -1 (B)  
CurrentRegistrySize: 8032256 (B)  
CurrentSyslogSize: 720984 (B)  
BiosVersion: IBM BIOS Ver 7.0  
BiosDate: 01/29/99  
SystemIdentifier: AT/AT COMPATIBLE  
SystemDir: C:\WINNT\System32  
WindowsDir: C:\WINNT  
LastBootMode: Normal  
BootTime: Wed Jan 10 12:07:06 2001  
Tzname0: E. South America Standard Time  
Tzname1: E. South America Daylight Time  
Locale: C

--Timestamp----- (Record 1) -----

Wed Jan 17 23:09:00 2001

--VMstat-----

Processors: 2  
Interval: 3,599,967,900 (us)  
usr: 5.18% sys: 0.62% idle: 188.37%  
queue: 0 frepte: 39590  
pi: 1.53/s po: 2.29/s

--IOstat-----

Dk Signatur	Read(B)	Write(B)	Read(t)	Write(t)	Idle(t)	R(c)
W(c) Q S						

```

-----
 0 35CB34EC      4,518,912      4,220,928  526.36   719.01  2354.61   990
1008 0 0 3,600,000,000
 1 CE2EE96C      35,814,400      48,538,624 2362.13  1541.60     0.00  4937
1877 0 0 3,903,739,408
 2 CE1F98E1       2,187,264      10,772,480  189.31  8693.15     0.00   265
677 0 0 8,882,474,152
 3 CE2EE96D       32,768       647,168    3.68   15.88  3580.42     4
14 0 0 3,600,000,000

```

--FSstat-----

MountPoint VolNum	PhysDrv	Type	Free(KB)	Total(KB)	%free
C:\pagefile.sys 631AF993 2		PagingFile	128	2,048	6.25%
D:\pagefile.sys B5D97A0C 3000		PagingFile	2,378,916	3,072,000	77.44%
H:\pagefile.sys 00D37BF0 180		PagingFile	344	184,320	0.19%
C:\ B8BA90A3 0	0	NTFS	1,099,205	4,192,492	26.22%
D:\ 6470EC21 0	1	NTFS	121,252	12,129,484	1.00%
E:\ E8E20702 0	2	NTFS	3,130,168	35,540,408	8.81%
F:\ A891FC02 0	3	NTFS	559,972	1,198,060	46.74%
H:\ 5CDA4CC9 0	0	NTFS	21,314	208,025	10.25%

--Network-----

T	S	MTU	Speed	RX-Kb/s	TX-Kb/s	RXe	TXe	Interface
24	1	1500	100000000	0	0	0	0	MS TCP Loopback interface
			[None] 3,600,046,875					
6	1	1500	100000000	0	0	0	0	AMD PCNET Family Ethernet Adapter [0004AC4CE34D] 3,600,046,875

--TopTen-----

Interval: 3,600,078,125 (us)  
ActiveCPUs: 2  
TotalProcesses: 50  
TotalThreads: 327  
TotalIO: 0  
TotalHandles: 8431

CPU absolute-----

	PID	User	Sys	Thrds	Hlds
Idle	0	0	6,781,391	2	0
disp+work	257	232,953	11,672	4	655
sqlservr	153	79,922	12,125	41	947
disp+work	299	29,078	3,188	4	177
disp+work	323	8,860	1,047	4	166
disp+work	267	6,891	640	4	273
System	2	0	7,375	35	1033
perfvc	179	1,281	4,547	2	71
disp+work	270	5,031	297	4	174
inetinfo	133	2,625	2,407	21	342

CPU group-----

	User	Sys	Thrds	Hlds
Idle	0	6,781,391	2	0
disp+work	288,766	17,938	82	3877
sqlservr	79,922	12,125	41	947
System	0	7,375	35	1033
perfwcol	1,281	4,547	2	71
inetinfo	2,625	2,407	21	342
sqlagent	500	47	8	91
saposcol	172	265	4	77
SERVICES	63	93	20	285
msdtc	16	31	21	110

MEM absolute-----

	PID	Private	Shared
sqlservr	153	834,699,264	0
disp+work	257	53,698,560	0
disp+work	267	26,587,136	0
disp+work	323	12,963,840	0
disp+work	330	11,644,928	0
disp+work	259	10,477,568	0
disp+work	290	9,560,064	0
disp+work	254	7,888,896	0
disp+work	299	7,815,168	0
disp+work	296	6,975,488	0

MEM group-----

	Private	Shared
sqlservr	834,699,264	0
disp+work	176,537,600	0
mmc	4,349,952	0
gwrdr	2,596,864	0
sqlagent	2,260,992	0
perfwcol	1,658,880	0
msg_server	1,495,040	0
SERVICES	1,433,600	0
EXPLORER	1,413,120	0
sqlmangr	1,409,024	0

IO absolute-----

	PID	IO
--	-----	----

IO group-----

	IO
--	----

--Timestamp----- (Record 2) -----  
Thu Jan 18 00:09:00 2001

--VMstat-----  
Processors: 2  
Interval: 3,599,961,300 (us)  
usr: 4.95% sys: 0.59% idle: 188.90%  
queue: 0 freepte: 39590  
pi: 1.14/s po: 2.56/s

--IOstat-----

Dk	Signatur	Read(B)	Write(B)	Read(t)	Write(t)	Idle(t)	R(c)
W(c)	Q S						
0	35CB34EC	3,325,952	4,095,488	360.24	680.17	2559.57	738
976	0 0	3,600,000,000					

```

1 CE2EE96C 13,614,080 49,569,792 1213.47 1404.73 981.79 3098
1571 0 0 3,600,000,000
2 CE1F98E1 802,816 131,072 80.39 4.43 3515.17 98
1 0 0 3,600,000,000
3 CE2EE96D 0 552,960 0.00 10.96 3589.03 0
9 0 0 3,600,000,000

```

#### --FSstat-----

MountPoint VolNum	PhysDrv	Type	Free (KB)	Total (KB)	%free
C:\pagefile.sys 631AF993 2		PagingFile	116	2,048	5.66%
D:\pagefile.sys B5D97A0C 3000		PagingFile	2,367,696	3,072,000	77.07%
H:\pagefile.sys 00D37BF0 180		PagingFile	136	184,320	0.07%
C:\ B8BA90A3 0	0	NTFS	1,099,109	4,192,492	26.22%
D:\ 6470EC21 0	1	NTFS	121,172	12,129,484	1.00%
E:\ E8E20702 0	2	NTFS	3,130,168	35,540,408	8.81%
F:\ A891FC02 0	3	NTFS	559,972	1,198,060	46.74%
H:\ 5CDA4CC9 0	0	NTFS	21,314	208,025	10.25%

#### --Network-----

T	S	MTU	Speed	RX-Kb/s	TX-Kb/s	RXe	TXe	Interface
24	1	1500	100000000	0	0	0	0	MS TCP Loopback interface
[None]	3,599,984,375							
6	1	1500	100000000	0	0	0	0	AMD PCNET Family Ethernet Adapter [0004AC4CE34D]
	3,599,984,375							

#### --TopTen-----

```

Interval: 3,599,953,125 (us)
ActiveCPUs: 2
TotalProcesses: 50
TotalThreads: 330
TotalIO: 0
TotalHandles: 8458

```

#### CPU absolute-----

	PID	User	Sys	Thrds	Hlds
Idle	0	0	6,800,546	2	0
disp+work	257	224,547	10,875	4	655
sqlservr	153	75,000	11,312	43	961
disp+work	299	28,797	2,843	4	177
disp+work	323	7,922	1,032	4	166
disp+work	267	6,375	875	4	275
System	2	0	7,156	35	1033
perfwcol	179	1,031	4,625	2	71
disp+work	270	5,109	375	4	174
disp+work	356	3,266	328	4	163

#### CPU group-----

	User	Sys	Thrds	Hlds
Idle	0	6,800,546	2	0
disp+work	278,423	16,908	82	3879

sqlservr	75,000	11,312	43	961
System	0	7,156	35	1033
perfwcol	1,031	4,625	2	71
inetinfo	1,797	1,718	21	342
sqlagent	375	94	9	98
saposcol	140	172	4	77
SERVICES	47	125	20	285
LSASS	31	15	12	103

MEM absolute-----

	PID	Private	Shared
sqlservr	153	839,528,448	0
disp+work	257	40,382,464	0
disp+work	267	24,035,328	0
disp+work	323	15,040,512	0
disp+work	330	12,075,008	0
disp+work	259	11,649,024	0
disp+work	290	8,265,728	0
disp+work	254	7,925,760	0
disp+work	299	7,815,168	0
disp+work	362	6,918,144	0

MEM group-----

	Private	Shared
sqlservr	839,528,448	0
disp+work	159,154,176	0
mmc	4,456,448	0
sqlagent	2,351,104	0
gwrdr	1,716,224	0
perfwcol	1,662,976	0
msg_server	1,527,808	0
SERVICES	1,466,368	0
saposcol	1,413,120	0
sqlmangr	1,409,024	0

IO absolute-----

PID	IO
-----	----

IO group-----

IO
----

--Timestamp----- (Record 3) -----  
 Thu Jan 18 01:09:00 2001

--VMstat-----

Processors: 2  
 Interval: 3,613,164,500 (us)  
 usr: 6.57% sys: 0.77% idle: 184.56%  
 queue: 0 freepte: 39590  
 pi: 6.27/s po: 3.25/s

--IOstat-----

Dk	Signatur	Read(B)	Write(B)	Read(t)	Write(t)	Idle(t)	R(c)
W(c)	Q S						
0	35CB34EC	10,611,712	5,949,440	1730.99	966.24	902.81	2504
1284	0 0	3,600,046,875					
1	CE2EE96C	81,314,304	57,608,192	8444.62	1914.87	0.00	19382
1615	0 0	10,359,496,492					
2	CE1F98E1	1,184,382,976	15,892,480	30145.99	13504.57	0.00	46435

```

1154 2 0 43,650,568,894
3 CE2EE96D 143,171,584 206,843,904 3150.72 6055.04 0.00 2196
3198 0 0 9,205,776,116

```

# --FSstat--

MountPoint VolNum	PhysDrv	Type	Free (KB)	Total (KB)	%free
C:\pagefile.sys 631AF993 2		PagingFile	128	2,048	6.25%
D:\pagefile.sys B5D97A0C 3000		PagingFile	2,443,288	3,072,000	79.53%
H:\pagefile.sys 00D37BF0 180		PagingFile	4,780	184,320	2.59%
C:\ B8BA90A3 0	0	NTFS	1,099,109	4,192,492	26.22%
D:\ 6470EC21 0	1	NTFS	121,104	12,129,484	1.00%
E:\ E8E20702 0	2	NTFS	3,130,168	35,540,408	8.81%
F:\ A891FC02 0	3	NTFS	559,972	1,198,060	46.74%
H:\ 5CDA4CC9 0	0	NTFS	21,314	208,025	10.25%

# --Network--

T	S	MTU	Speed	RX-Kb/s	TX-Kb/s	RXe	TXe	Interface
24	1	1500	100000000	0	0	0	0	MS TCP Loopback interface
[None]			3,600,281,250					
6	1	1500	100000000	0	0	0	0	AMD PCNET Family Ethernet Adapter [0004AC4CE34D]
				3,600,281,250				

# --TopTen--

```

Interval:      3,600,375,000 (us)
ActiveCPUs:    2
TotalProcesses: 50
TotalThreads:  330
TotalIO:       0
TotalHandles:  8473

```

# CPU absolute--

	PID	User	Sys	Thrds	Hlds
Idle	0	0	6,668,766	2	0
disp+work	257	234,953	10,781	4	655
sqlservr	153	181,593	18,500	43	966
disp+work	299	28,922	2,719	4	177
disp+work	323	7,812	1,078	4	166
System	2	0	7,797	35	1033
disp+work	267	6,500	1,000	4	279
perfwcol	179	1,000	4,765	2	71
disp+work	270	5,063	281	4	174
inetinfo	133	2,500	2,563	21	342

# CPU group--

	User	Sys	Thrds	Hlds
Idle	0	6,668,766	2	0
disp+work	289,298	16,843	82	3883
sqlservr	181,593	18,500	43	966
System	0	7,797	35	1033
perfwcol	1,000	4,765	2	71

inetinfo	2,500	2,563	21	342
sqlagent	641	62	10	104
sapocol	125	188	4	77
SERVICES	47	94	20	285
msdtc	47	63	21	110

MEM absolute-----

	PID	Private	Shared
sqlservr	153	912,257,024	0
disp+work	257	31,469,568	0
disp+work	267	19,525,632	0
disp+work	323	12,640,256	0
disp+work	330	12,107,776	0
disp+work	259	11,120,640	0
disp+work	296	8,568,832	0
disp+work	254	7,897,088	0
disp+work	362	6,914,048	0
disp+work	299	6,139,904	0

MEM group-----

	Private	Shared
sqlservr	912,257,024	0
disp+work	139,837,440	0
mmc	4,276,224	0
sqlagent	2,416,640	0
perfwcol	1,658,880	0
gwrdr	1,626,112	0
msg_server	1,601,536	0
SERVICES	1,437,696	0
sapocol	1,409,024	0
sqlmangr	1,409,024	0

IO absolute-----

PID	IO
-----	----

IO group-----

IO
----

--Timestamp----- (Record 4) -----  
 Thu Jan 18 02:09:00 2001

--VMstat-----

Processors: 2  
 Interval: 3,600,020,700 (us)  
 usr: 16.41% sys: 1.45% idle: 164.25%  
 queue: 1 freepte: 39590  
 pi: 4.92/s po: 3.11/s

--IOstat-----

Dk	Signatur	Read(B)	Write(B)	Read(t)	Write(t)	Idle(t)	R(c)
W(c)	Q	S					
0	35CB34EC	15,378,432	8,090,112	2373.63	1164.08	62.26	3303
1334	0 0 3,599,984,375						
1	CE2EE96C	58,666,496	60,874,240	9851.18	3949.96	0.00	13140
2356	0 0 13,801,158,254						
2	CE1F98E1	9,642,704,896	17,563,648	65950.62	18423.73	0.00	
246238	1433 0 0 675,374,356,158						
3	CE2EE96D	3,068,723,200	3,140,079,616	74307.85	125170.79	0.00	
47364	48041 2 0 199,478,646,369						



```

--FSstat-----
MountPoint      PhysDrv      Type              Free (KB)      Total (KB)      %free
VolNum
-----
C:\pagefile.sys          PagingFile          120             2,048           5.86%
631AF993 2
D:\pagefile.sys          PagingFile      2,457,168       3,072,000       79.99%
B5D97A0C 3000
H:\pagefile.sys          PagingFile          5,004           184,320         2.71%
00D37BF0 180
C:\                0                NTFS              1,099,109       4,192,492       26.22%
B8BA90A3 0
D:\                1                NTFS              121,700         12,129,484       1.00%
6470EC21 0
E:\                2                NTFS              3,130,168       35,540,408       8.81%
E8E20702 0
F:\                3                NTFS              559,972         1,198,060       46.74%
A891FC02 0
H:\                0                NTFS              21,314          208,025         10.25%
5CDA4CC9 0

```

```

--Network-----
T  S  MTU      Speed RX-Kb/s TX-Kb/s RXe TXe Interface
-----
24  1  1500  100000000      0      0      0      0 MS TCP Loopback interface
[None] 3,599,953,125
6   1  1500  100000000      0      0      0      0 AMD PCNET Family Ethernet
Adapter [0004AC4CE34D] 3,599,953,125

```

```

--TopTen-----
Interval:      3,599,906,250 (us)
ActiveCPUs:    2
TotalProcesses: 50
TotalThreads:  331
TotalIO:       0
TotalHandles:  8474

```

```

CPU absolute-----
          PID      User      Sys Thrds  Hlds
Idle      0        0      5,913,281  2      0
sqlservr  153      862,094    45,406    43     966
disp+work 257     233,047    12,125     4     656
disp+work 299      46,594     5,906     4     177
disp+work 296     12,047     2,437     4     165
System    2          0      8,484    35    1033
disp+work 267      6,750      672     4     279
disp+work 323      6,094      968     4     166
perfswcol 179      1,250     4,469     2      71
disp+work 270      5,265      359     4     174

```

```

CPU group-----
          User      Sys Thrds  Hlds
Idle      0      5,913,281  2      0
sqlservr  862,094    45,406    43     966
disp+work 316,077    23,498    82    3884
System    0      8,484    35    1033
perfswcol 1,250     4,469     2      71
inetinfo  2,046     2,281    21     342
saposcol  188        281     4      77
SERVICES  46        141    20     285

```

msdtc	16	62	21	110
gwrdr	32	32	6	164

```
MEM absolute-----
      PID      Private      Shared
  sqlservr  153 892,227,584          0
  disp+work 257 44,204,032          0
  disp+work 267 13,819,904          0
  disp+work 323 13,299,712          0
  disp+work 330 12,156,928          0
  disp+work 259 11,141,120          0
  disp+work 296  9,084,928          0
  disp+work 254  7,946,240          0
  disp+work 362  6,922,240          0
  disp+work 299  5,935,104          0
```

```
MEM group-----
      Private      Shared
  sqlservr 892,227,584          0
  disp+work 148,635,648          0
      mmc 4,272,128          0
  sqlagent 2,416,640          0
  perfwcol 1,679,360          0
  msg_server 1,495,040          0
  SERVICES 1,466,368          0
  saposcol 1,413,120          0
  sqlmangr 1,409,024          0
  gwrdr 1,380,352          0
```

```
IO absolute-----
      PID      IO
```

```
IO group-----
      IO
```

```
--Timestamp----- (Record 5) -----
Thu Jan 18 03:09:00 2001
```

```
--VMstat-----
Processors: 2
Interval: 3,586,720,200 (us)
usr: 7.35% sys: 0.81% idle: 184.39%
queue: 0 freepte: 39590
pi: 5.67/s po: 4.12/s
```

```
--IOstat-----
Dk Signatur      Read(B)      Write(B) Read(t) Write(t) Idle(t) R(c)
W(c) Q S
-----
  0 35CB34EC  16,280,576    8,559,616 2262.22 1233.07 104.69 3566
1599 0 0 3,600,000,000
  1 CE2EE96C   69,891,584   68,056,064 7131.73 2272.67   0.00 15738
1823 0 0 9,404,409,396
  2 CE1F98E1  2,161,000,448   20,086,784 212505.37 36931.50   0.00 81196
1615 0 0 249,436,884,130
  3 CE2EE96D   634,281,984  508,940,288 15245.72 16985.07   0.00 9954
7795 0 0 32,230,802,363
```

```
--FSstat-----
MountPoint      PhysDrv      Type      Free(KB)      Total(KB)      %free
```

VolNum

```
-----
C:\pagefile.sys          PagingFile          124          2,048      6.05%
631AF993 2
D:\pagefile.sys          PagingFile      2,451,004      3,072,000    79.79%
B5D97A0C 3000
H:\pagefile.sys          PagingFile          4,624          184,320      2.51%
00D37BF0 180
C:\          0          NTFS          1,099,109      4,192,492    26.22%
B8BA90A3 0
D:\          1          NTFS          121,572      12,129,484    1.00%
6470EC21 0
E:\          2          NTFS          3,130,168      35,540,408    8.81%
E8E20702 0
F:\          3          NTFS          559,972      1,198,060    46.74%
A891FC02 0
H:\          0          NTFS          21,314      208,025    10.25%
5CDA4CC9 0
-----
```

--Network--

```
-----
T  S  MTU      Speed RX-Kb/s TX-Kb/s RXe TXe Interface
-----
24  1  1500  100000000      0      0      0      0 MS TCP Loopback interface
[None] 3,599,859,375
6  1  1500  100000000      0      0      0      0 AMD PCNET Family Ethernet
Adapter [0004AC4CE34D] 3,599,859,375
-----
```

--TopTen--

```
-----
Interval:      3,599,812,500 (us)
ActiveCPUs:      2
TotalProcesses: 50
TotalThreads:    330
TotalIO:          0
TotalHandles:    8465
-----
```

CPU absolute--

```
-----
          PID      User      Sys Thrds  Hlds
Idle      0          0  6,613,875      2      0
sqlservr  153    240,813    19,641      43     961
disp+work 257    227,156    11,344      4      655
disp+work 299    29,922     3,172      4     177
disp+work 323     8,703     782      4     166
System     2          0     7,875     35    1033
disp+work 267     6,656     672      4     281
perfswcol 179     1,156     4,531      2      71
disp+work 270     5,110     219      4     174
inetinfo  133     2,141     2,453     21     342
-----
```

CPU group--

```
-----
          User      Sys Thrds  Hlds
Idle      0  6,613,875      2      0
disp+work 283,531    17,441      82    3887
sqlservr  240,813    19,641      43     961
System     0     7,875     35    1033
perfswcol 1,156     4,531      2      71
inetinfo  2,141     2,453     21     342
saposcol   93      203      4      77
sqlagent  125       47      9      98
SERVICES   47       78     20    285
gwrdr      30      15      6     164
-----
```

```
MEM absolute-----
      PID      Private      Shared
      sqlservr 153 886,140,928      0
      disp+work 257 20,058,112      0
      disp+work 267 17,321,984      0
      disp+work 323 14,999,552      0
      disp+work 330 12,259,328      0
      disp+work 259 11,747,328      0
      disp+work 290 9,072,640      0
      disp+work 296 8,331,264      0
      disp+work 254 7,884,800      0
      disp+work 299 7,135,232      0
```

```
MEM group-----
      Private      Shared
      sqlservr 886,140,928      0
      disp+work 137,338,880      0
      mmc 4,341,760      0
      sqlagent 2,351,104      0
      perfwcol 1,650,688      0
      SERVICES 1,626,112      0
      msg_server 1,609,728      0
      gwrdr 1,515,520      0
      saposcol 1,409,024      0
      sqlmangr 1,409,024      0
```

```
IO absolute-----
      PID      IO
```

```
IO group-----
      IO
```

```
--Timestamp----- (Record 6) -----
Thu Jan 18 04:09:00 2001
```

```
--VMstat-----
Processors: 2
Interval: 3,599,965,200 (us)
usr: 4.92% sys: 0.62% idle: 188.89%
queue: 0 freepte: 39590
pi: 2.39/s po: 2.48/s
```

```
--IOstat-----
Dk Signatur      Read(B)      Write(B) Read(t) Write(t) Idle(t) R(c)
W(c) Q S
-----
0 35CB34EC      6,725,632      5,163,008 825.95 738.31 2035.73 1474
1072 0 0 3,600,000,000
1 CE2EE96C      28,791,808      46,677,504 2195.14 1316.68 88.16 6599
1425 0 0 3,600,000,000
2 CE1F98E1      9,363,456      8,192 1934.33 1.24 1664.42 582
1 0 0 3,600,000,000
3 CE2EE96D      409,600      954,368 49.38 32.33 3518.29 50
15 0 0 3,600,015,625
```

```
--FSstat-----
MountPoint      PhysDrv      Type      Free(KB)      Total(KB)      %free
VolNum
-----
C:\pagefile.sys      PagingFile      124      2,048      6.05%
```

```

631AF993 2
D:\pagefile.sys      PagingFile      2,444,780      3,072,000      79.58%
B5D97A0C 3000
H:\pagefile.sys      PagingFile              4,280          184,320          2.32%
00D37BF0 180
C:\                  0                NTFS              1,099,109      4,192,492      26.22%
B8BA90A3 0
D:\                  1                NTFS              121,508        12,129,484      1.00%
6470EC21 0
E:\                  2                NTFS              3,130,168      35,540,408      8.81%
E8E20702 0
F:\                  3                NTFS              559,972        1,198,060      46.74%
A891FC02 0
H:\                  0                NTFS              21,314         208,025         10.25%
5CDA4CC9 0

```

```

--Network-----
T  S   MTU      Speed RX-Kb/s TX-Kb/s  RXe TXe Interface
-----
24  1  1500  100000000      0      0      0   0 MS TCP Loopback interface
[None] 3,599,984,375
 6  1  1500  100000000      0      0      0   0 AMD PCNET Family Ethernet
Adapter [0004AC4CE34D] 3,599,984,375

```

```

--TopTen-----
Interval:      3,600,015,625 (us)
ActiveCPUs:    2
TotalProcesses: 50
TotalThreads:  330
TotalIO:       0
TotalHandles:  8468

```

```

CPU absolute-----
          PID      User      Sys Thrds  Hlds
      Idle      0        0 6,800,328    2     0
disp+work  257    221,250   12,031    4    655
sqlservr   153     74,062   11,859   43    962
disp+work  299     28,968    2,938    4    177
disp+work  323      8,250    687     4    166
disp+work  267      6,281    1,016    4    283
System      2         0     7,000   35  1033
disp+work  270      5,328     313    4    174
perfwdcol  179      1,110    4,500    2     71
inetinfo   133      3,016    2,469   21    342

```

```

CPU group-----
          User      Sys Thrds  Hlds
      Idle      0 6,800,328    2     0
disp+work  275,937   17,982   82  3889
sqlservr   74,062   11,859   43    962
System      0     7,000   35  1033
perfwdcol   1,110    4,500    2     71
inetinfo    3,016    2,469   21    342
sqlagent    610        63    9     98
saposcol    125       109    4     77
SERVICES    32       125   20   285
msdtc       16        62   21   110

```

```

MEM absolute-----
          PID  Private  Shared
sqlservr  153 880,480,256    0

```

disp+work	257	17,899,520	0
disp+work	267	16,699,392	0
disp+work	323	14,749,696	0
disp+work	330	12,406,784	0
disp+work	259	11,264,000	0
disp+work	299	10,256,384	0
disp+work	296	8,351,744	0
disp+work	254	7,884,800	0
disp+work	362	6,930,432	0

MEM group-----

	Private	Shared
sqlservr	880,480,256	0
disp+work	131,387,392	0
mmc	4,341,760	0
sqlagent	2,351,104	0
perfwcol	1,658,880	0
msg_server	1,564,672	0
SERVICES	1,441,792	0
saposcol	1,413,120	0
sqlmangr	1,409,024	0
EXPLORER	1,376,256	0

IO absolute-----

	PID	IO
--	-----	----

IO group-----

	IO
--	----

--Timestamp----- (Record 7) -----  
 Thu Jan 18 05:09:00 2001

--VMstat-----

Processors: 2  
 Interval: 3,613,419,200 (us)  
 usr: 4.90% sys: 0.60% idle: 188.22%  
 queue: 0 freepte: 39590  
 pi: 1.73/s po: 2.27/s

--IOstat-----

Dk	Signatur	Read(B)	Write(B)	Read(t)	Write(t)	Idle(t)	R(c)
W(c)	Q	S					
0	35CB34EC	5,115,904	4,850,176	596.42	750.39	2253.15	1179
1091	0 0 0	3,599,984,375					
1	CE2EE96C	20,445,696	43,931,648	1792.79	1255.59	551.59	4631
1355	0 0 0	3,599,984,375					
2	CE1F98E1	1,015,808	13,172,736	159.80	31218.14	0.00	124
1040	0 0 0	31,377,950,478					
3	CE2EE96D	81,920	585,728	9.94	14.66	3575.38	10
13	0 0 0	3,599,984,375					

--FSstat-----

MountPoint	PhysDrv	Type	Free(KB)	Total(KB)	%free
VolNum					
C:\pagefile.sys		PagingFile	124	2,048	6.05%
631AF993 2					
D:\pagefile.sys		PagingFile	2,432,956	3,072,000	79.20%
B5D97A0C 3000					

H:\pagefile.sys		PagingFile	3,424	184,320	1.86%
00D37BF0 180					
C:\	0	NTFS	1,099,109	4,192,492	26.22%
B8BA90A3 0					
D:\	1	NTFS	121,436	12,129,484	1.00%
6470EC21 0					
E:\	2	NTFS	3,130,168	35,540,408	8.81%
E8E20702 0					
F:\	3	NTFS	559,972	1,198,060	46.74%
A891FC02 0					
H:\	0	NTFS	21,314	208,025	10.25%
5CDA4CC9 0					

--Network-----

T	S	MTU	Speed	RX-Kb/s	TX-Kb/s	RXe	TXe	Interface
24	1	1500	10000000	0	0	0	0	MS TCP Loopback interface
[None]			3,599,968,750					
6	1	1500	10000000	0	0	0	0	AMD PCNET Family Ethernet
Adapter			[0004AC4CE34D]	3,599,968,750				

--TopTen-----

Interval: 3,599,968,750 (us)  
ActiveCPUs: 2  
TotalProcesses: 50  
TotalThreads: 329  
TotalIO: 0  
TotalHandles: 8470

CPU absolute-----

	PID	User	Sys	Thrds	Hlds
Idle	0	0	6,801,407	2	0
disp+work	290	220,156	11,938	4	171
sqlservr	153	75,297	11,485	43	962
disp+work	299	29,329	2,562	4	177
disp+work	323	7,812	922	4	166
System	2	0	7,281	35	1033
disp+work	296	5,890	578	4	167
disp+work	267	5,375	546	4	283
perfwcol	179	1,297	4,297	2	71
inetinfo	133	2,734	2,641	21	342

CPU group-----

	User	Sys	Thrds	Hlds
Idle	0	6,801,407	2	0
disp+work	274,592	17,359	82	3893
sqlservr	75,297	11,485	43	962
System	0	7,281	35	1033
perfwcol	1,297	4,297	2	71
inetinfo	2,734	2,641	21	342
sqlagent	468	47	9	98
sapscol	94	282	4	77
SERVICES	15	140	20	285
msdtc	0	47	21	110

MEM absolute-----

	PID	Private	Shared
sqlservr	153	867,102,720	0
disp+work	257	18,313,216	0
disp+work	323	15,831,040	0
disp+work	290	15,097,856	0

disp+work	330	12,525,568	0
disp+work	267	11,501,568	0
disp+work	296	9,949,184	0
disp+work	254	7,880,704	0
disp+work	299	7,639,040	0
disp+work	356	7,049,216	0

# MEM group-----

	Private	Shared
sqlservr	867,102,720	0
disp+work	135,348,224	0
mmc	4,341,760	0
sqlagent	2,351,104	0
perfwcol	1,658,880	0
msg_server	1,609,728	0
SERVICES	1,470,464	0
saposcol	1,409,024	0
sqlmangr	1,409,024	0
EXPLORER	1,376,256	0

# IO absolute-----

PID	IO
-----	----

# IO group-----

IO
----

--Timestamp----- (Record 8) -----  
Thu Jan 18 06:09:00 2001

# --VMstat-----

Processors: 2  
Interval: 3,586,512,100 (us)  
usr: 5.38% sys: 0.60% idle: 188.76%  
queue: 0 freepte: 39590  
pi: 2.49/s po: 2.10/s

# --IOstat-----

Dk	Signatur	Read(B)	Write(B)	Read(t)	Write(t)	Idle(t)	R(c)
W(c)	Q	S					
0	35CB34EC	7,949,312	4,606,976	878.72	698.52	2022.76	1712
1030	0 0	3,600,015,625					
1	CE2EE96C	28,785,152	41,876,480	2346.40	1288.21	0.00	6552
1389	0 0	3,634,621,595					
2	CE1F98E1	39,854,080	24,576,460	27.57	3.21	0.00	3388
3	0 0	46,030,783,870					
3	CE2EE96D	1,794,048	2,322,432	45.24	138.07	3416.63	37
41	0 0	3,599,953,125					

# --FSstat-----

MountPoint	PhysDrv	Type	Free (KB)	Total (KB)	%free
VolNum					
C:\pagefile.sys		PagingFile	128	2,048	6.25%
631AF993 2					
D:\pagefile.sys		PagingFile	2,432,500	3,072,000	79.18%
B5D97A0C 3000					
H:\pagefile.sys		PagingFile	3,440	184,320	1.87%
00D37BF0 180					
C:\	0	NTFS	1,099,109	4,192,492	26.22%



```

B8BA90A3 0
D:\          1          NTFS          120,348    12,129,484    0.99%
6470EC21 0
E:\          2          NTFS          3,130,168    35,540,408    8.81%
E8E20702 0
F:\          3          NTFS          559,972     1,198,060    46.74%
A891FC02 0
H:\          0          NTFS          21,314      208,025    10.25%
5CDA4CC9 0

```

```

--Network-----
T  S  MTU      Speed RX-Kb/s TX-Kb/s RXe TXe Interface
-----
24  1  1500  100000000      0      0      0      0 MS TCP Loopback interface
[None] 3,600,000,000
  6  1  1500  100000000      0      0      0      0 AMD PCNET Family Ethernet
Adapter [0004AC4CE34D] 3,600,000,000

```

```

--TopTen-----
Interval:      3,600,000,000 (us)
ActiveCPUs:    2
TotalProcesses: 50
TotalThreads:  329
TotalIO:       0
TotalHandles:  8476

```

```

CPU absolute-----
      PID      User      Sys Thrds  Hlds
      Idle      0      0  6,770,109    2    0
disp+work  290    215,953    11,391    4    171
sqlservr   153    88,062    11,984   43    962
disp+work  299    35,000     3,016    4    179
disp+work  296    17,860     750     4    167
disp+work  356     9,328     406     4    163
disp+work  323     7,641     750     4    166
disp+work  257     6,703     906     4    663
System     2        0     6,438   35   1033
perfwdcol  179     1,234     4,344    2    71

```

```

CPU group-----
      User      Sys Thrds  Hlds
      Idle      0  6,770,109    2    0
disp+work  294,236    17,626    82   3899
sqlservr   88,062    11,984   43    962
System     0     6,438   35   1033
perfwdcol  1,234     4,344    2    71
inetinfo   1,875     1,546   21   342
sqlagent    922        62    9    98
saposcol    141     109     4    77
msdtc       16        94   21   110
SERVICES    16        63   20   285

```

```

MEM absolute-----
      PID      Private      Shared
      sqlservr  153  869,076,992    0
disp+work     257  19,746,816    0
disp+work     323  15,761,408    0
disp+work     290  15,204,352    0
disp+work     330  12,673,024    0
disp+work     267  11,780,096    0
disp+work     296  10,698,752    0

```

disp+work	299	9,351,168	0
disp+work	356	8,249,344	0
disp+work	254	7,933,952	0

MEM group-----

	Private	Shared
sqlservr	869,076,992	0
disp+work	137,785,344	0
mmc	4,354,048	0
sqlagent	2,351,104	0
gwrdr	1,847,296	0
perfswcol	1,654,784	0
msg_server	1,560,576	0
SERVICES	1,466,368	0
sapscoll	1,409,024	0
sqlmangr	1,409,024	0

IO absolute-----

	PID	IO
--	-----	----

IO group-----

	IO
--	----

--Timestamp----- (Record 9) -----  
Thu Jan 18 07:09:00 2001

--VMstat-----  
Processors: 2  
Interval: 3,613,594,500 (us)  
usr: 6.07% sys: 1.19% idle: 184.68%  
queue: 0 freepte: 39385  
pi: 17.57/s po: 10.39/s

--IOstat-----

Dk	Signatur	Read(B)	Write(B)	Read(t)	Write(t)	Idle(t)	R(c)
W(c)	Q	S					
0	35CB34EC	43,363,840	19,882,496	6809.32	2847.97	0.00	9330
3482	1 0	9,657,299,247					
1	CE2EE96C	265,200,640	156,621,312	25389.07	4996.59	0.00	51229
4333	1 0	30,385,667,222					
2	CE1F98E1	5,391,056,896	8,364,032	242311.94	13944.01	0.00	9808
657	0 0	56,255,963,029					
3	CE2EE96D	548,864	1,438,720	34.90	42.59	3523.14	32
33	0 0	3,600,640,625					

--FSstat-----

MountPoint	PhysDrv	Type	Free(KB)	Total(KB)	%free
VolNum					
C:\pagefile.sys		PagingFile	120	2,048	5.86%
631AF993 2					
D:\pagefile.sys		PagingFile	2,436,856	3,072,000	79.32%
B5D97A0C 3000					
H:\pagefile.sys		PagingFile	3,576	184,320	1.94%
00D37BF0 180					
C:\	0	NTFS	1,099,109	4,192,492	26.22%
B8BA90A3 0					
D:\	1	NTFS	120,040	12,129,484	0.99%
6470EC21 0					

E:\	2	NTFS	3,130,168	35,540,408	8.81%
E8E20702 0					
F:\	3	NTFS	559,972	1,198,060	46.74%
A891FC02 0					
H:\	0	NTFS	21,314	208,025	10.25%
5CDA4CC9 0					

```
--Network-----
T S MTU Speed RX-Kb/s TX-Kb/s RXe TXe Interface
-----
24 1 1500 10000000 0 0 0 0 MS TCP Loopback interface
[None] 3,600,671,875
6 1 1500 10000000 0 4 0 0 AMD PCNET Family Ethernet
Adapter [0004AC4CE34D] 3,600,671,875
```

```
--TopTen-----
Interval: 3,600,640,625 (us)
ActiveCPUs: 2
TotalProcesses: 50
TotalThreads: 331
TotalIO: 0
TotalHandles: 8520
```

```
CPU absolute-----
PID User Sys Thrds Hlds
Idle 0 0 6,673,922 2 0
disp+work 290 223,719 12,250 4 171
sqlservr 153 102,032 17,813 43 965
disp+work 257 31,563 5,360 4 663
disp+work 299 29,625 2,844 4 179
System 2 0 12,906 35 1045
disp+work 267 10,531 2,109 4 285
disp+work 270 9,547 1,797 4 176
disp+work 323 7,844 984 4 166
mmc 172 2,640 4,562 4 81
```

```
CPU group-----
User Sys Thrds Hlds
Idle 0 6,673,922 2 0
disp+work 330,985 28,939 82 3927
sqlservr 102,032 17,813 43 965
System 0 12,906 35 1045
mmc 2,640 4,562 4 81
perfswcol 1,172 4,484 2 71
inetinfo 1,578 1,657 21 342
sqlagent 407 109 9 98
saposcol 125 328 4 77
EXPLORER 125 235 4 55
```

```
MEM absolute-----
PID Private Shared
sqlservr 153 810,029,056 0
disp+work 257 94,199,808 0
disp+work 267 72,314,880 0
disp+work 270 36,696,064 0
disp+work 274 17,391,616 0
disp+work 259 14,159,872 0
disp+work 330 12,705,792 0
disp+work 305 12,636,160 0
disp+work 290 12,021,760 0
disp+work 323 11,522,048 0
```

```
MEM group-----
      Private  Shared
sqlservr 810,029,056      0
disp+work 321,236,992      0
      mmc    9,789,440      0
sqlagent  2,371,584      0
      gwr    1,695,744      0
perfocol  1,634,304      0
msg_server 1,486,848      0
SERVICES  1,454,080      0
saposcol  1,409,024      0
sqlmangr  1,409,024      0
```

```
IO absolute-----
      PID  IO
```

```
IO group-----
      IO
```

```
--Timestamp----- (Record 10) -----
Thu Jan 18 08:09:00 2001
```

```
--VMstat-----
Processors: 2
Interval: 3,586,380,300 (us)
usr: 8.60% sys: 1.82% idle: 179.90%
queue: 0 freepte: 39300
pi: 29.95/s po: 23.63/s
```

```
--IOstat-----
Dk Signatur      Read(B)      Write(B) Read(t) Write(t) Idle(t) R(c)
W(c)  Q  S
-----
0 35CB34EC      70,411,776    35,246,080 11042.64  5426.62    0.00 16524
6567 0 0 16,469,277,106
1 CE2EE96C      368,412,672    347,737,088 34606.29  11056.46    0.00 87938
9086 0 0 45,662,754,261
2 CE1F98E1      9,248,825,344    44,646,400 94416.82  150154.96    0.00 12013
4177 0 0 244,571,785,623
3 CE2EE96D      16,384         1,650,688    2.42    55.89  3541.14    2
25 0 0 3,599,468,750
```

```
--FSstat-----
MountPoint      PhysDrv      Type      Free(KB)      Total(KB)      %free
VolNum
-----
C:\pagefile.sys      PagingFile      116          2,048      5.66%
631AF993 2
D:\pagefile.sys      PagingFile      2,444,208    3,072,000  79.56%
B5D97A0C 3000
H:\pagefile.sys      PagingFile      3,860        184,320    2.09%
00D37BF0 180
C:\          0      NTFS      1,099,109    4,192,492  26.22%
B8BA90A3 0
D:\          1      NTFS      119,964     12,129,484  0.99%
6470EC21 0
E:\          2      NTFS      3,130,168    35,540,408  8.81%
E8E20702 0
F:\          3      NTFS      559,972     1,198,060  46.74%
```

```

A891FC02 0
H:\          0          NTFS          21,314      208,025  10.25%
5CDA4CC9 0

```

```

--Network-----
T  S  MTU      Speed RX-Kb/s TX-Kb/s RXe TXe Interface
-----
24  1  1500  100000000      0      0      0      0 MS TCP Loopback interface
[None] 3,599,453,125
6  1  1500  100000000      1      12      0      0 AMD PCNET Family Ethernet
Adapter [0004AC4CE34D] 3,599,453,125

```

```

--TopTen-----
Interval:      3,599,468,750 (us)
ActiveCPUs:    2
TotalProcesses: 50
TotalThreads:  330
TotalIO:       0
TotalHandles:  8528

```

```

CPU absolute-----
      PID      User      Sys Thrds  Hlds
      Idle      0      0  6,452,203      2      0
disp+work  290  228,594  12,406      4  171
sqlservr   153  119,328  24,843     43  965
disp+work  267   61,094   8,750      4  287
disp+work  257   58,015   9,047      4  665
disp+work  299   29,562   3,297      4  179
disp+work  274   28,922   2,656      4  160
disp+work  259   26,578   4,000      4  188
disp+work  270   23,922   4,969      4  176
System      2      0   19,313     35 1047

```

```

CPU group-----
      User      Sys Thrds  Hlds
      Idle      0  6,452,203      2      0
disp+work  493,795  51,533     82 3935
sqlservr   119,328  24,843     43  965
System      0   19,313     35 1047
perfwdcol   1,281   4,938      2   71
inetinfo    2,328   1,968     21  342
saposcol    265    391      4   77
SERVICES     47    203     20  285
sqlagent    140     32      9   98
msdtc        0    125     21  110

```

```

MEM absolute-----
      PID      Private      Shared
sqlservr  153  740,327,424      0
disp+work  257  138,932,224      0
disp+work  267  122,298,368      0
disp+work  270  54,812,672      0
disp+work  259  54,771,712      0
disp+work  274  27,979,776      0
disp+work  323  13,533,184      0
disp+work  305  13,168,640      0
disp+work  330  12,632,064      0
disp+work  290  11,563,008      0

```

```

MEM group-----
      Private      Shared

```

```

sqlservr 740,327,424      0
disp+work 496,574,464     0
    mmc    9,650,176       0
sqlagent  2,371,584       0
gwrdr     1,613,824       0
perfwcol  1,609,728       0
SERVICES  1,519,616       0
msg_server 1,499,136      0
sqlmangr  1,409,024       0
msdtc     1,363,968       0

```

```

IO absolute-----
                PID    IO

```

```

IO group-----
                IO

```

```

--Timestamp----- (Record 11) -----
Thu Jan 18 09:09:00 2001

```

```

--VMstat-----
Processors: 2
Interval: 3,613,662,000 (us)
usr: 11.77% sys: 1.96% idle: 171.76%
queue: 0 freepte: 39496
pi: 24.67/s po: 23.22/s

```

```

--IOstat-----
Dk Signatur      Read(B)      Write(B) Read(t) Write(t) Idle(t) R(c)
W(c)  Q  S
-----
0 35CB34EC      59,459,072    30,252,032 8504.62  4400.66    0.00 13568
6139 0 0 12,905,292,039
1 CE2EE96C      331,708,928    360,704,512 225091.91 11899.00    0.00 71749
11253 0 0 36,990,920,067
2 CE1F98E1      2,185,641,984    157,745,152 112235.35 144613.04    0.00
15216 5819 0 0 256,848,398,691
3 CE2EE96D       90,112        2,018,816   12.58    81.99   3505.34    11
49 0 0 3,599,921,875

```

```

--FSstat-----
MountPoint      PhysDrv      Type      Free (KB)      Total (KB)      %free
VolNum
-----
C:\pagefile.sys      PagingFile      120          2,048          5.86%
631AF993 2
D:\pagefile.sys      PagingFile      2,425,572    3,072,000      78.96%
B5D97A0C 3000
H:\pagefile.sys      PagingFile      2,628        184,320        1.43%
00D37BF0 180
C:\                0              NTFS          1,099,109      4,192,492      26.22%
B8BA90A3 0
D:\                1              NTFS          116,828        12,129,484      0.96%
6470EC21 0
E:\                2              NTFS          3,027,768      35,540,408      8.52%
E8E20702 0
F:\                3              NTFS          559,972        1,198,060      46.74%
A891FC02 0
H:\                0              NTFS          21,314         208,025        10.25%
5CDA4CC9 0

```

```

--Network-----
T  S   MTU      Speed RX-Kb/s TX-Kb/s RXe TXe Interface
-----
24  1  1500  100000000      0      0  0  0 MS TCP Loopback interface
[None] 3,599,937,500
  6  1  1500  100000000      1     17  0  0 AMD PCNET Family Ethernet
Adapter [0004AC4CE34D] 3,599,937,500

```

```

--TopTen-----
Interval:      3,599,937,500 (us)
ActiveCPUs:    2
TotalProcesses: 50
TotalThreads:  328
TotalIO:       0
TotalHandles:  8535

```

```

CPU absolute-----
      PID      User      Sys Thrds  Hlds
      Idle      0      0  6,207,047      2      0
disp+work 290    244,140    13,281      4    171
sqlservr 153    165,703    28,782     43    959
disp+work 257    132,188    15,734      4    669
disp+work 267    126,594    15,063      4    287
disp+work 274     44,812     4,438      4    160
disp+work 270     35,062     5,422      4    176
disp+work 299     29,094     3,156      4    179
disp+work 305     23,594     3,031      4    159
      System      2      0    25,265    35  1054

```

```

CPU group-----
      User      Sys Thrds  Hlds
      Idle      0  6,207,047      2      0
disp+work 681,220    69,231     82  3948
sqlservr 165,703    28,782     43    959
      System      0    25,265    35  1054
perfswcol 1,141     4,812      2     71
inetinfo 1,625     1,563     21    342
saposcol 344        531      4     77
sqlagent 563         78       8     93
SPOOLSS 78         172      7    148
SERVICES 63        156     20    286

```

```

MEM absolute-----
      PID      Private      Shared
      sqlservr 153 709,849,088      0
disp+work 257 152,592,384      0
disp+work 267 137,375,744      0
disp+work 270 47,816,704      0
disp+work 259 24,985,600      0
disp+work 274 16,535,552      0
disp+work 323 16,441,344      0
disp+work 305 13,455,360      0
disp+work 330 13,398,016      0
disp+work 290 12,525,568      0

```

```

MEM group-----
      Private      Shared
      sqlservr 709,849,088      0
disp+work 476,282,880      0
      mmc 9,789,440      0

```

```

        sqlagent 2,265,088      0
        gwrdr   2,105,344      0
        perfwcol 1,654,784      0
        msg_server 1,470,464    0
        saposcol 1,409,024      0
        sqlmangr 1,409,024      0
        SERVICES 1,372,160      0

```

```

IO absolute-----
                PID      IO

```

```

IO group-----
                IO

```

```

--Timestamp----- (Record 12) -----
Thu Jan 18 10:09:00 2001

```

```

--VMstat-----
Processors: 2
Interval: 3,600,061,800 (us)
usr: 8.29% sys: 1.42% idle: 180.56%
queue: 0 freepste: 39590
pi: 9.80/s po: 17.81/s

```

```

--IOstat-----
Dk Signatur      Read(B)      Write(B) Read(t) Write(t) Idle(t) R(c)
W(c)  Q  S
-----
0 35CB34EC      20,634,112    22,803,968 2816.46 3143.95    0.00 4597
4794 0 0 5,960,423,308
1 CE2EE96C      337,077,248    272,611,840 9950.42 8343.35    0.00 29598
7932 0 0 18,293,783,366
2 CE1F98E1      15,704,064     45,809,664 3286.01 112136.56    0.00 1898
4567 0 0 115,422,586,516
3 CE2EE96D      180,224        1,769,472    8.47    65.86    3525.72    8
28 0 0 3,600,062,500

```

```

--FSstat-----
MountPoint      PhysDrv      Type      Free(KB)      Total(KB)      %free
VolNum
-----
C:\pagefile.sys      PagingFile      128          2,048          6.25%
631AF993 2
D:\pagefile.sys      PagingFile      2,429,128    3,072,000      79.07%
B5D97A0C 3000
H:\pagefile.sys      PagingFile      3,084        184,320        1.67%
00D37BF0 180
C:\      0      NTFS      1,099,109      4,192,492      26.22%
B8BA90A3 0
D:\      1      NTFS      116,800        12,129,484      0.96%
6470EC21 0
E:\      2      NTFS      3,027,768      35,540,408      8.52%
E8E20702 0
F:\      3      NTFS      559,972        1,198,060      46.74%
A891FC02 0
H:\      0      NTFS      21,314         208,025        10.25%
5CDA4CC9 0

```

```

--Network-----
T  S      MTU      Speed RX-Kb/s TX-Kb/s RXe TXe Interface

```



```
-----
24 1 1500 10000000 0 0 0 0 MS TCP Loopback interface
[None] 3,600,046,875
6 1 1500 10000000 1 11 0 0 AMD PCNET Family Ethernet
Adapter [0004AC4CE34D] 3,600,046,875

```

# --TopTen--

```
-----
Interval:      3,600,031,250 (us)
ActiveCPUs:    2
TotalProcesses: 50
TotalThreads:  330
TotalIO:       0
TotalHandles:  8537

```

## CPU absolute-----

	PID	User	Sys	Thrds	Hlds
Idle	0	0	6,500,453	2	0
disp+work	290	222,797	12,516	4	171
sqlservr	153	112,687	19,203	43	963
disp+work	257	68,359	11,453	4	673
disp+work	267	67,500	9,359	4	287
disp+work	270	33,516	5,594	4	176
disp+work	299	29,156	3,469	4	179
disp+work	274	19,688	2,281	4	160
System	2	0	20,391	37	1050
disp+work	305	10,375	1,188	4	159

## CPU group-----

	User	Sys	Thrds	Hlds
Idle	0	6,500,453	2	0
disp+work	479,439	51,296	82	3950
sqlservr	112,687	19,203	43	963
System	0	20,391	37	1050
perfwcol	1,203	4,485	2	71
inetinfo	2,172	2,078	21	342
mmc	344	656	4	81
sqlagent	609	156	8	93
sapocol	235	422	4	77
SPOOLSS	62	172	7	148

## MEM absolute-----

	PID	Private	Shared
sqlservr	153	717,778,944	0
disp+work	257	135,245,824	0
disp+work	267	126,996,480	0
disp+work	270	55,980,032	0
disp+work	259	15,212,544	0
disp+work	274	14,708,736	0
disp+work	330	11,984,896	0
disp+work	323	11,640,832	0
mmc	172	9,797,632	0
disp+work	290	9,711,616	0

## MEM group-----

	Private	Shared
sqlservr	717,778,944	0
disp+work	424,202,240	0
mmc	9,797,632	0
sqlagent	2,265,088	0
perfwcol	1,609,728	0
msg_server	1,462,272	0

SERVICES	1,458,176	0
sqlmangr	1,409,024	0
EXPLORER	1,372,160	0
saposcol	1,359,872	0

IO absolute-----  
PID IO

IO group-----  
IO

--Timestamp----- (Record 13) -----  
Thu Jan 18 11:09:00 2001

--VMstat-----  
Processors: 2  
Interval: 3,600,024,100 (us)  
usr: 6.28% sys: 0.92% idle: 185.56%  
queue: 0 freepte: 39590  
pi: 5.04/s po: 8.53/s

--IOstat-----  
Dk Signatur Read(B) Write(B) Read(t) Write(t) Idle(t) R(c)  
W(c) Q S  
-----  
0 35CB34EC 12,894,720 12,226,560 1602.43 1716.77 280.73 2923  
2601 0 0 3,599,937,500  
1 CE2EE96C 71,990,272 136,085,504 4393.05 3789.30 0.00 14480  
4034 0 0 8,182,350,902  
2 CE1F98E1 8,314,880 25,313,280 1148.37 59131.20 0.00 928  
2481 0 0 60,279,582,917  
3 CE2EE96D 32,768 716,800 3.24 18.22 3578.40 4  
14 0 0 3,599,875,000

--FSstat-----  
MountPoint PhysDrv Type Free(KB) Total(KB) %free  
VolNum  
-----  
C:\pagefile.sys PagingFile 116 2,048 5.66%  
631AF993 2  
D:\pagefile.sys PagingFile 2,413,524 3,072,000 78.57%  
B5D97A0C 3000  
H:\pagefile.sys PagingFile 2,332 184,320 1.27%  
00D37BF0 180  
C:\ NTFS 1,099,109 4,192,492 26.22%  
B8BA90A3 0  
D:\ NTFS 116,768 12,129,484 0.96%  
6470EC21 0  
E:\ NTFS 3,027,768 35,540,408 8.52%  
E8E20702 0  
F:\ NTFS 559,972 1,198,060 46.74%  
A891FC02 0  
H:\ NTFS 21,314 208,025 10.25%  
5CDA4CC9 0

--Network-----  
T S MTU Speed RX-Kb/s TX-Kb/s RXe TXe Interface  
-----  
24 1 1500 10000000 0 0 0 0 MS TCP Loopback interface  
[None] 3,599,875,000

6 1 1500 10000000 0 3 0 0 AMD PCNET Family Ethernet  
Adapter [0004AC4CE34D] 3,599,875,000

--TopTen-----

Interval: 3,599,906,250 (us)  
ActiveCPUs: 2  
TotalProcesses: 50  
TotalThreads: 331  
TotalIO: 0  
TotalHandles: 8536

CPU absolute-----

	PID	User	Sys	Thrds	Hlds
Idle	0	0	6,680,453	2	0
disp+work	290	239,344	14,609	4	171
sqlservr	153	90,063	15,297	43	965
disp+work	299	29,547	2,984	4	179
disp+work	270	23,234	3,890	4	176
disp+work	257	23,750	2,860	4	677
disp+work	267	12,328	1,859	4	287
System	2	0	12,797	37	1047
disp+work	323	8,766	875	4	166
disp+work	296	6,750	641	4	167

CPU group-----

	User	Sys	Thrds	Hlds
Idle	0	6,680,453	2	0
disp+work	358,045	30,266	82	3948
sqlservr	90,063	15,297	43	965
System	0	12,797	37	1047
perfwcol	1,156	4,515	2	71
inetinfo	1,953	1,891	21	342
sqlagent	1,047	63	8	93
saposcol	234	156	4	77
SERVICES	47	94	20	286
gwrdr	32	94	6	164

MEM absolute-----

	PID	Private	Shared
sqlservr	153	724,701,184	0
disp+work	257	130,547,712	0
disp+work	267	79,089,664	0
disp+work	270	32,002,048	0
disp+work	290	24,842,240	0
disp+work	323	13,447,168	0
disp+work	330	12,316,672	0
mmc	172	9,687,040	0
disp+work	296	9,310,208	0
disp+work	254	7,954,432	0

MEM group-----

	Private	Shared
sqlservr	724,701,184	0
disp+work	353,329,152	0
mmc	9,687,040	0
sqlagent	2,265,088	0
gwrdr	2,146,304	0
perfwcol	1,662,976	0
msg_server	1,527,808	0
SERVICES	1,490,944	0
saposcol	1,413,120	0

sqlmangr 1,409,024 0

IO absolute-----  
PID IO

IO group-----  
IO

--Timestamp----- (Record 14) -----  
Thu Jan 18 12:09:00 2001

--VMstat-----  
Processors: 2  
Interval: 3,586,080,900 (us)  
usr: 5.34% sys: 0.65% idle: 188.78%  
queue: 0 freepte: 39590  
pi: 3.85/s po: 4.39/s

--IOstat-----  
Dk Signatur Read(B) Write(B) Read(t) Write(t) Idle(t) R(c)  
W(c) Q S  
-----  
0 35CB34EC 9,034,752 7,531,008 1071.82 1030.60 1497.57 2069  
1563 0 0 3,600,000,000  
1 CE2EE96C 58,501,120 76,995,072 3152.20 2286.69 0.00 11464  
2474 0 0 5,438,907,089  
2 CE1F98E1 3,284,992 16,384 270.46 1.94 3327.59 389  
2 0 0 3,600,000,000  
3 CE2EE96D 0 552,960 0.00 10.10 3589.89 0  
9 0 0 3,600,000,000

--FSstat-----  
MountPoint PhysDrv Type Free (KB) Total (KB) %free  
VolNum  
-----  
C:\pagefile.sys PagingFile 120 2,048 5.86%  
631AF993 2  
D:\pagefile.sys PagingFile 2,415,724 3,072,000 78.64%  
B5D97A0C 3000  
H:\pagefile.sys PagingFile 2,476 184,320 1.34%  
00D37BF0 180  
C:\ 0 NTFS 1,099,109 4,192,492 26.22%  
B8BA90A3 0  
D:\ 1 NTFS 116,588 12,129,484 0.96%  
6470EC21 0  
E:\ 2 NTFS 3,027,768 35,540,408 8.52%  
E8E20702 0  
F:\ 3 NTFS 559,972 1,198,060 46.74%  
A891FC02 0  
H:\ 0 NTFS 21,314 208,025 10.25%  
5CDA4CC9 0

--Network-----  
T S MTU Speed RX-Kb/s TX-Kb/s RXe TXe Interface  
-----  
24 1 1500 10000000 0 0 0 0 MS TCP Loopback interface  
[None] 3,599,953,125  
6 1 1500 10000000 0 1 0 0 AMD PCNET Family Ethernet  
Adapter [0004AC4CE34D] 3,599,953,125

```

--TopTen-----
Interval:      3,599,984,375 (us)
ActiveCPUs:    2
TotalProcesses: 50
TotalThreads:  332
TotalIO:       0
TotalHandles:  8548

```

```

CPU absolute-----
      PID      User      Sys  Thrds  Hlds
Idle      0      0  6,770,094    2    0
disp+work 290  226,062  10,297    4   171
sqlservr  153   77,891  12,078   43   967
disp+work 299   29,625   2,906    4   179
disp+work 257    9,891   1,468    4   679
disp+work 296   10,312    547    4   167
disp+work 323    8,015    657    4   166
System     2      0    7,594   37  1048
disp+work 267    5,328    532    4   289
perfswcol 179    1,000   4,547    2    71

```

```

CPU group-----
      User      Sys  Thrds  Hlds
Idle      0  6,770,094    2    0
disp+work 300,343  18,250   82  3954
sqlservr  77,891  12,078   43   967
System     0    7,594   37  1048
perfswcol  1,000   4,547    2    71
inetinfo   2,797   2,672   21   342
sqlagent   891    171    8    93
saposcol    78    219    4    77
SERVICES    31    234   21   288
LSASS       16     32   12   102

```

```

MEM absolute-----
      PID      Private      Shared
sqlservr  153  724,893,696    0
disp+work 257  128,856,064    0
disp+work 267  86,138,880    0
disp+work 270  32,739,328    0
disp+work 290  17,399,808    0
disp+work 274  15,421,440    0
disp+work 323  15,020,032    0
disp+work 330  13,037,568    0
disp+work 296  12,021,760    0
mmc       172   9,687,040    0

```

```

MEM group-----
      Private      Shared
sqlservr  724,893,696    0
disp+work 372,846,592    0
mmc       9,687,040    0
sqlagent  2,265,088    0
perfswcol 1,662,976    0
msg_server 1,609,728    0
SERVICES  1,490,944    0
saposcol  1,413,120    0
EXPLORER  1,409,024    0
sqlmangr  1,409,024    0

```

```

IO absolute-----

```

```

PID      IO
IO group-----
      IO

```

```

--Timestamp----- (Record 15) -----
Thu Jan 18 13:09:00 2001

```

```

--VMstat-----
Processors: 2
Interval: 3,613,994,400 (us)
usr: 8.93% sys: 1.32% idle: 178.70%
queue: 0 freepte: 39590
pi: 16.09/s po: 18.13/s

```

```

--IOstat-----
Dk Signatur      Read(B)      Write(B) Read(t) Write(t)  Idle(t)  R(c)
W(c)  Q  S
-----
0 35CB34EC      37,955,584    22,844,928 5408.66  3364.65    0.00  8849
5009 0 0 8,773,327,175
1 CE2EE96C      215,400,960    278,340,608 16070.45  7988.35    0.00  47311
7769 0 0 24,058,812,208
2 CE1F98E1      21,651,456     45,572,096 2974.15  99174.99    0.00  2266
4365 0 0 102,149,157,329
3 CE2EE96D       32,768        1,516,544    5.02    60.44  3534.61    4
23 0 0 3,600,078,125

```

```

--FSstat-----
MountPoint      PhysDrv      Type      Free(KB)      Total(KB)      %free
VolNum
-----
C:\pagefile.sys      PagingFile      128          2,048        6.25%
631AF993 2
D:\pagefile.sys      PagingFile      2,406,600    3,072,000    78.34%
B5D97A0C 3000
H:\pagefile.sys      PagingFile      1,784        184,320      0.97%
00D37BF0 180
C:\          0      NTFS      1,099,109    4,192,492    26.22%
B8BA90A3 0
D:\          1      NTFS      116,372     12,129,484    0.96%
6470EC21 0
E:\          2      NTFS      3,027,768    35,540,408    8.52%
E8E20702 0
F:\          3      NTFS      559,972     1,198,060    46.74%
A891FC02 0
H:\          0      NTFS      21,314      208,025     10.25%
5CDA4CC9 0

```

```

--Network-----
T  S  MTU      Speed RX-Kb/s TX-Kb/s RXe TXe Interface
-----
24 1  1500  100000000    0      0  0  0 MS TCP Loopback interface
[None] 3,600,140,625
6 1  1500  100000000    1      12  0  0 AMD PCNET Family Ethernet
Adapter [0004AC4CE34D] 3,600,140,625

```

```

--TopTen-----
Interval:      3,600,093,750 (us)
ActiveCPUs:    2

```

TotalProcesses: 50  
 TotalThreads: 328  
 TotalIO: 0  
 TotalHandles: 8558

CPU absolute-----

	PID	User	Sys	Thrds	Hlds
Idle	0	0	6,458,344	2	0
disp+work	290	223,516	13,625	4	171
sqlservr	153	123,515	20,469	43	969
disp+work	267	115,656	10,609	4	289
disp+work	257	68,765	7,750	4	683
disp+work	299	29,797	3,172	4	179
disp+work	274	19,687	2,125	4	160
System	2	0	17,609	35	1051
disp+work	305	14,547	1,610	4	159
disp+work	270	11,328	1,875	4	176

CPU group-----

	User	Sys	Thrds	Hlds
Idle	0	6,458,344	2	0
disp+work	517,623	47,124	82	3964
sqlservr	123,515	20,469	43	969
System	0	17,609	35	1051
perfwcol	1,422	4,422	2	71
inetinfo	1,672	1,703	21	342
sqlagent	828	94	8	93
saposccl	266	375	4	77
SERVICES	109	125	20	286
msdtc	62	94	21	110

MEM absolute-----

	PID	Private	Shared
sqlservr	153	728,489,984	0
disp+work	257	143,519,744	0
disp+work	267	103,096,320	0
disp+work	323	51,081,216	0
disp+work	270	35,426,304	0
disp+work	274	15,572,992	0
disp+work	290	14,798,848	0
disp+work	259	12,541,952	0
disp+work	330	12,230,656	0
disp+work	296	11,108,352	0

MEM group-----

	Private	Shared
sqlservr	728,489,984	0
disp+work	460,496,896	0
mmc	9,682,944	0
gwrdr	2,924,544	0
sqlagent	2,265,088	0
perfwcol	1,658,880	0
msg_server	1,544,192	0
saposccl	1,409,024	0
sqlmangr	1,409,024	0
SERVICES	1,392,640	0

IO absolute-----

	PID	IO
--	-----	----

IO group-----

## IO

--Timestamp----- (Record 16) -----  
 Thu Jan 18 14:09:00 2001

--VMstat-----

Processors: 2  
 Interval: 3,600,042,000 (us)  
 usr: 8.96% sys: 1.52% idle: 179.01%  
 queue: 0 freepte: 39590  
 pi: 23.73/s po: 20.58/s

--IOstat-----

Dk	Signatur	Read(B)	Write(B)	Read(t)	Write(t)	Idle(t)	R(c)
W(c)	Q	S					
0	35CB34EC	55,858,176	26,415,104	8099.28	4145.70	0.00	12707
5881	0 0	12,244,996,795					
1	CE2EE96C	309,177,856	314,481,664	21444.06	9355.81	0.00	69985
9156	0 0	30,799,881,911					
2	CE1F98E1	52,355,072	26,378,240	8915.40	79102.25	0.00	4900
2842	0 0	88,017,652,084					
3	CE2EE96D	65,536	21,647,360	10.91	20125.52	0.00	8
386	0 0	20,136,439,648					

--FSstat-----

MountPoint	PhysDrv	Type	Free(KB)	Total(KB)	%free
VolNum					
C:\pagefile.sys		PagingFile	120	2,048	5.86%
631AF993 2					
D:\pagefile.sys		PagingFile	2,391,916	3,072,000	77.86%
B5D97A0C 3000					
H:\pagefile.sys		PagingFile	1,088	184,320	0.59%
00D37BF0 180					
C:\	0	NTFS	1,099,012	4,192,492	26.21%
B8BA90A3 0					
D:\	1	NTFS	116,296	12,129,484	0.96%
6470EC21 0					
E:\	2	NTFS	3,027,768	35,540,408	8.52%
E8E20702 0					
F:\	3	NTFS	559,972	1,198,060	46.74%
A891FC02 0					
H:\	0	NTFS	21,314	208,025	10.25%
5CDA4CC9 0					

--Network-----

T	S	MTU	Speed	RX-Kb/s	TX-Kb/s	RXe	TXe	Interface
24	1	1500	10000000	0	0	0	0	MS TCP Loopback interface
[None]			3,599,984,375					
6	1	1500	10000000	1	12	0	0	AMD PCNET Family Ethernet Adapter [0004AC4CE34D]
				3,599,984,375				

--TopTen-----

Interval: 3,599,984,375 (us)  
 ActiveCPUs: 2  
 TotalProcesses: 50  
 TotalThreads: 328  
 TotalIO: 0



TotalHandles: 8565

CPU absolute-----

	PID	User	Sys	Thrds	Hlds
Idle	0	0	6,444,500	2	0
disp+work	290	224,172	12,547	4	171
sqlservr	153	127,750	21,781	43	971
disp+work	257	80,891	11,266	4	687
disp+work	267	65,750	10,891	4	289
disp+work	299	29,375	3,359	4	179
disp+work	270	28,594	2,953	4	176
System	2	0	21,406	35	1055
disp+work	323	18,547	2,797	4	166
disp+work	274	18,954	2,015	4	160

CPU group-----

	User	Sys	Thrds	Hlds
Idle	0	6,444,500	2	0
disp+work	513,956	53,704	82	3965
sqlservr	127,750	21,781	43	971
System	0	21,406	35	1055
perfwcol	938	4,687	2	71
inetinfo	1,656	1,672	21	342
sqlagent	578	141	8	93
saposcol	187	422	4	77
SPOOLSS	235	157	7	148
SERVICES	63	282	20	286

MEM absolute-----

	PID	Private	Shared
sqlservr	153	704,569,344	0
disp+work	257	135,393,280	0
disp+work	267	125,841,408	0
disp+work	270	46,485,504	0
disp+work	323	38,518,784	0
disp+work	330	26,054,656	0
disp+work	259	22,220,800	0
disp+work	274	21,331,968	0
disp+work	305	15,630,336	0
disp+work	290	13,352,960	0

MEM group-----

	Private	Shared
sqlservr	704,569,344	0
disp+work	491,585,536	0
mmc	9,687,040	0
sqlagent	2,240,512	0
perfwcol	1,654,784	0
gwrdr	1,634,304	0
msg_server	1,568,768	0
SERVICES	1,425,408	0
saposcol	1,409,024	0
sqlmangr	1,409,024	0

IO absolute-----

PID	IO
-----	----

IO group-----

IO
----

--Timestamp----- (Record 17) -----  
Thu Jan 18 15:09:00 2001

--VMstat-----  
Processors: 2  
Interval: 3,585,866,200 (us)  
usr: 6.63% sys: 0.98% idle: 185.54%  
queue: 0 freepte: 39590  
pi: 10.04/s po: 12.39/s

--IOstat-----  
Dk Signatur Read(B) Write(B) Read(t) Write(t) Idle(t) R(c)  
W(c) Q S  
-----  
0 35CB34EC 28,039,168 20,866,048 3658.82 2588.25 0.00 5852  
3703 0 0 6,247,077,672  
1 CE2EE96C 136,020,992 189,797,376 9274.91 5120.55 0.00 27710  
5363 0 0 14,395,475,520  
2 CE1F98E1 19,988,480 21,749,760 6268.15 49485.03 0.00 1854  
1936 0 0 55,753,191,085  
3 CE2EE96D 3,022,848 4,022,272 33.22 188.54 3378.23 67  
68 0 0 3,600,000,000

--FSstat-----  
MountPoint PhysDrv Type Free(KB) Total(KB) %free  
VolNum  
-----  
C:\pagefile.sys PagingFile 116 2,048 5.66%  
631AF993 2  
D:\pagefile.sys PagingFile 2,394,984 3,072,000 77.96%  
B5D97A0C 3000  
H:\pagefile.sys PagingFile 1,912 184,320 1.04%  
00D37BF0 180  
C:\ 0 NTFS 1,099,001 4,192,492 26.21%  
B8BA90A3 0  
D:\ 1 NTFS 116,172 12,129,484 0.96%  
6470EC21 0  
E:\ 2 NTFS 3,027,768 35,540,408 8.52%  
E8E20702 0  
F:\ 3 NTFS 559,972 1,198,060 46.74%  
A891FC02 0  
H:\ 0 NTFS 21,314 208,025 10.25%  
5CDA4CC9 0

--Network-----  
T S MTU Speed RX-Kb/s TX-Kb/s RXe TXe Interface  
-----  
24 1 1500 10000000 0 0 0 0 MS TCP Loopback interface  
[None] 3,599,984,375  
6 1 1500 10000000 0 6 0 0 AMD PCNET Family Ethernet  
Adapter [0004AC4CE34D] 3,599,984,375

--TopTen-----  
Interval: 3,599,968,750 (us)  
ActiveCPUs: 2  
TotalProcesses: 51  
TotalThreads: 329  
TotalIO: 0  
TotalHandles: 8651

CPU absolute-----

	PID	User	Sys	Thrds	Hlds
Idle	0	0	6,653,547	2	0
disp+work	290	223,406	12,265	4	171
sqlservr	153	97,813	15,515	43	958
disp+work	299	29,437	3,032	4	179
disp+work	267	26,969	3,875	4	289
System	2	0	13,031	35	1050
disp+work	270	10,281	1,422	4	176
disp+work	323	8,000	1,031	4	166
disp+work	274	7,828	875	4	160
disp+work	397	6,625	687	4	160

CPU group-----

	User	Sys	Thrds	Hlds
Idle	0	6,653,547	2	0
disp+work	334,624	27,046	82	3437
sqlservr	97,813	15,515	43	958
System	0	13,031	35	1050
perfswcol	1,046	4,454	2	71
inetinfo	1,735	1,625	21	342
DRWTSN32	328	703	1	622
sqlagent	734	94	8	93
sapscol	94	234	4	77
SERVICES	94	156	20	289

MEM absolute-----

	PID	Private	Shared
sqlservr	153	706,842,624	0
disp+work	267	108,457,984	0
disp+work	397	46,120,960	0
disp+work	270	40,566,784	0
disp+work	323	28,794,880	0
disp+work	290	13,889,536	0
disp+work	330	13,312,000	0
disp+work	274	10,153,984	0
disp+work	296	10,055,680	0
disp+work	259	9,711,616	0

MEM group-----

	Private	Shared
sqlservr	706,842,624	0
disp+work	324,050,944	0
mmc	9,682,944	0
sqlagent	2,248,704	0
gwrdr	2,146,304	0
perfswcol	1,654,784	0
msg_server	1,560,576	0
sapscol	1,409,024	0
sqlmangr	1,409,024	0
msdtc	1,372,160	0

IO absolute-----

PID	IO
-----	----

IO group-----

IO
----

--Timestamp----- (Record 18) -----  
 Thu Jan 18 16:09:00 2001

--VMstat-----

Processors: 2  
 Interval: 3,599,989,400 (us)  
 usr: 8.89% sys: 1.89% idle: 178.43%  
 queue: 0 freep: 39590  
 pi: 9.79/s po: 16.62/s

--IOstat-----

Dk	Signatur	Read(B)	Write(B)	Read(t)	Write(t)	Idle(t)	R(c)
W(c)	Q	S					
0	35CB34EC	21,124,608	24,628,736	2862.25	2929.93	0.00	4938
4518	0 0 5,792,192,835						
1	CE2EE96C	133,763,072	252,774,912	9501.33	7129.33	0.00	29649
7568	0 0 16,630,666,634						
2	CE1F98E1	21,651,456	32,374,784	7040.96	61060.04	0.00	2311
2684	0 0 68,101,004,980						
3	CE2EE96D	1,392,640	2,314,240	6.75	90.70	3502.57	23
37	0 0 3,600,031,250						

--FSstat-----

MountPoint	PhysDrv	Type	Free(KB)	Total(KB)	%free
VolNum					
C:\pagefile.sys		PagingFile	124	2,048	6.05%
631AF993 2					
D:\pagefile.sys		PagingFile	2,379,708	3,072,000	77.46%
B5D97A0C 3000					
H:\pagefile.sys		PagingFile	1,700	184,320	0.92%
00D37BF0 180					
C:\	0	NTFS	1,099,001	4,192,492	26.21%
B8BA90A3 0					
D:\	1	NTFS	114,948	12,129,484	0.95%
6470EC21 0					
E:\	2	NTFS	3,027,768	35,540,408	8.52%
E8E20702 0					
F:\	3	NTFS	559,972	1,198,060	46.74%
A891FC02 0					
H:\	0	NTFS	21,314	208,025	10.25%
5CDA4CC9 0					

--Network-----

T	S	MTU	Speed	RX-Kb/s	TX-Kb/s	RXe	TXe	Interface
24	1	1500	100000000	0	0	0	0	MS TCP Loopback interface
[None]			3,600,109,375					
6	1	1500	100000000	1	14	0	0	AMD PCNET Family Ethernet Adapter [0004AC4CE34D] 3,600,109,375

--TopTen-----

Interval: 3,600,109,375 (us)  
 ActiveCPUs: 2  
 TotalProcesses: 51  
 TotalThreads: 332  
 TotalIO: 0  
 TotalHandles: 8665

CPU absolute-----

	PID	User	Sys	Thrds	Hlds
Idle	0	0	6,423,578	2	0
disp+work	290	224,313	11,969	4	171

sqlservr	153	127,000	20,297	43	965
disp+work	267	85,485	20,812	4	291
disp+work	397	88,296	15,031	4	169
System	2	0	41,782	37	1048
disp+work	299	29,203	3,500	4	179
disp+work	270	27,516	4,828	4	176
disp+work	305	20,671	2,281	4	159
disp+work	274	12,140	1,797	4	160

CPU group-----

	User	Sys	Thrds	Hlds
Idle	0	6,423,578	2	0
disp+work	509,218	63,798	82	3448
sqlservr	127,000	20,297	43	965
System	0	41,782	37	1048
perfwcol	1,157	4,484	2	71
inetinfo	1,703	1,578	21	342
sqlagent	719	140	8	93
saposcol	156	266	4	77
gwrdr	62	93	6	164
SERVICES	0	141	20	289

MEM absolute-----

	PID	Private	Shared
sqlservr	153	707,829,760	0
disp+work	397	122,122,240	0
disp+work	267	118,964,224	0
disp+work	270	96,399,360	0
disp+work	274	22,401,024	0
disp+work	305	17,231,872	0
disp+work	290	11,591,680	0
disp+work	330	10,891,264	0
disp+work	323	10,813,440	0
mmc	172	9,687,040	0

MEM group-----

	Private	Shared
sqlservr	707,829,760	0
disp+work	447,066,112	0
mmc	9,687,040	0
sqlagent	2,244,608	0
perfwcol	1,658,880	0
msg_server	1,466,368	0
SERVICES	1,417,216	0
saposcol	1,413,120	0
sqlmangr	1,409,024	0
msdtc	1,372,160	0

IO absolute-----

	PID	IO
--	-----	----

IO group-----

	IO
--	----

--Timestamp----- (Record 19) -----  
 Thu Jan 18 17:09:00 2001

--VMstat-----  
 Processors: 2  
 Interval: 3,599,952,100 (us)

usr: 7.44% sys: 1.15% idle: 182.79%  
 queue: 0 freeppte: 39590  
 pi: 6.16/s po: 13.45/s

--IOstat-----

Dk	Signatur	Read(B)	Write(B)	Read(t)	Write(t)	Idle(t)	R(c)
W(c)	Q	S					
0	35CB34EC	12,957,696	17,926,144	1745.79	2405.92	0.00	2926
3730	0 0 4,151,715,611						
1	CE2EE96C	95,968,256	210,708,992	5793.25	6094.12	0.00	18579
6557	0 0 11,887,387,605						
2	CE1F98E1	14,614,528	23,224,320	1111.76	45070.37	0.00	1753
2095	0 0 46,182,142,345						
3	CE2EE96D	1,425,408	2,162,688	12.79	98.27	3488.82	27
38	0 0 3,599,890,625						

--FSstat-----

MountPoint	PhysDrv	Type	Free(KB)	Total(KB)	%free
VolNum					
C:\pagefile.sys		PagingFile	120	2,048	5.86%
631AF993 2					
D:\pagefile.sys		PagingFile	2,381,852	3,072,000	77.53%
B5D97A0C 3000					
H:\pagefile.sys		PagingFile	2,128	184,320	1.15%
00D37BF0 180					
C:\	0	NTFS	1,099,001	4,192,492	26.21%
B8BA90A3 0					
D:\	1	NTFS	115,116	12,129,484	0.95%
6470EC21 0					
E:\	2	NTFS	3,027,768	35,540,408	8.52%
E8E20702 0					
F:\	3	NTFS	559,972	1,198,060	46.74%
A891FC02 0					
H:\	0	NTFS	21,314	208,025	10.25%
5CDA4CC9 0					

--Network-----

T	S	MTU	Speed	RX-Kb/s	TX-Kb/s	RXe	TXe	Interface
24	1	1500	10000000	0	0	0	0	MS TCP Loopback interface
[None]	3,599,812,500							
6	1	1500	10000000	0	9	0	0	AMD PCNET Family Ethernet
Adapter	[0004AC4CE34D]	3,599,812,500						

--TopTen-----

Interval: 3,599,812,500 (us)  
 ActiveCPUs: 2  
 TotalProcesses: 51  
 TotalThreads: 332  
 TotalIO: 0  
 TotalHandles: 8636

CPU absolute-----

	PID	User	Sys	Thrds	Hlds
Idle	0	0	6,580,625	2	0
disp+work	290	222,156	11,828	4	171
sqlservr	153	101,453	17,938	43	967
disp+work	397	63,579	7,703	4	173
disp+work	267	53,218	7,063	4	291

disp+work	299	28,813	3,375	4	179
disp+work	305	14,860	1,688	4	159
System	2	0	15,922	37	1037
disp+work	270	13,062	2,282	4	176
disp+work	274	13,157	2,000	4	160

CPU group-----

	User	Sys	Thrds	Hlds
Idle	0	6,580,625	2	0
disp+work	429,751	39,673	82	3426
sqlservr	101,453	17,938	43	967
System	0	15,922	37	1037
perfwcol	984	4,781	2	71
inetinfo	2,781	2,297	21	342
sqlagent	656	63	8	93
saposcol	235	203	4	77
msdtc	31	109	21	110
SERVICES	31	62	20	289

MEM absolute-----

	PID	Private	Shared
sqlservr	153	724,668,416	0
disp+work	267	108,761,088	0
disp+work	397	108,056,576	0
disp+work	290	15,904,768	0
disp+work	323	14,020,608	0
disp+work	270	12,587,008	0
disp+work	330	11,407,360	0
mmc	172	9,797,632	0
disp+work	356	8,867,840	0
disp+work	296	8,822,784	0

MEM group-----

	Private	Shared
sqlservr	724,668,416	0
disp+work	334,340,096	0
mmc	9,797,632	0
sqlagent	2,252,800	0
perfwcol	1,658,880	0
SERVICES	1,622,016	0
msg_server	1,560,576	0
saposcol	1,413,120	0
EXPLORER	1,409,024	0
sqlmangr	1,409,024	0

IO absolute-----

	PID	IO
--	-----	----

IO group-----

	IO
--	----

--Timestamp----- (Record 20) -----

Thu Jan 18 18:09:00 2001

--VMstat-----

Processors: 2

Interval: 3,599,975,700 (us)

usr: 4.95% sys: 0.59% idle: 188.88%

queue: 0 freepte: 39590

pi: 2.10/s po: 2.16/s

```

--IOstat-----
Dk Signatur      Read(B)      Write(B) Read(t) Write(t)  Idle(t)  R(c)
W(c)  Q  S
-----
 0 35CB34EC      6,087,680      5,171,712  581.13   742.66   2276.19  1454
1041 0 0 3,600,000,000
 1 CE2EE96C      24,870,912     44,877,824 1889.18  1328.59   382.21  5722
1477 0 0 3,600,000,000
 2 CE1F98E1       1,024,000      8,626,176  236.89 19600.60    0.00   125
942 0 0 19,837,493,552
 3 CE2EE96D        0      552,960    0.00   10.87   3589.12    0
9 0 0 3,600,000,000

```

```

--FSstat-----
MountPoint      PhysDrv      Type              Free(KB)      Total(KB)      %free
VolNum
-----
C:\pagefile.sys      PagingFile          120           2,048      5.86%
631AF993 2
D:\pagefile.sys      PagingFile      2,386,460     3,072,000  77.68%
B5D97A0C 3000
H:\pagefile.sys      PagingFile          2,480         184,320   1.35%
00D37BF0 180
C:\                  0                NTFS           1,099,001     4,192,492  26.21%
B8BA90A3 0
D:\                  1                NTFS           115,104     12,129,484   0.95%
6470EC21 0
E:\                  2                NTFS           3,027,768     35,540,408   8.52%
E8E20702 0
F:\                  3                NTFS           559,972     1,198,060  46.74%
A891FC02 0
H:\                  0                NTFS           21,314       208,025  10.25%
5CDA4CC9 0

```

```

--Network-----
T  S  MTU      Speed RX-Kb/s TX-Kb/s RXe TXe Interface
-----
24 1 1500 100000000      0      0 0 0 MS TCP Loopback interface
[None] 3,599,812,500
 6 1 1500 100000000      0      0 0 0 AMD PCNET Family Ethernet
Adapter [0004AC4CE34D] 3,599,812,500

```

```

--TopTen-----
Interval:      3,599,812,500 (us)
ActiveCPUs:    2
TotalProcesses: 51
TotalThreads:  331
TotalIO:       0
TotalHandles:  8628

```

```

CPU absolute-----
      PID      User      Sys Thrds  Hlds
Idle      0      0 6,799,906    2    0
disp+work 290 219,344  11,485    4   171
sqlservr  153  72,859  11,484   43   967
disp+work 299  30,172   2,906    4   179
disp+work 296  10,047    515    4   167
disp+work 323   8,094    907    4   166
disp+work 397   6,375   1,047    4   177
System    2      0   6,937   37  1033

```



perfswcol	179	1,188	4,328	2	71
disp+work	356	4,531	391	4	163

```

CPU group-----
      User      Sys Thrds  Hlds
Idle      0 6,799,906      2      0
disp+work 280,220 17,734     82 3426
sqlservr  72,859 11,484     43  967
System      0   6,937     37 1033
perfswcol  1,188   4,328      2    71
inetinfo   1,672   1,656     21   342
sqlagent    672      78      8    93
SERVICES    78     141     20   289
saposcol    109      94      4    77
msdtc       63      47     21   110
  
```

```

MEM absolute-----
      PID      Private      Shared
sqlservr  153 727,207,936          0
disp+work 397 94,773,248          0
disp+work 267 76,574,720          0
disp+work 290 16,416,768          0
disp+work 323 14,204,928          0
disp+work 296 13,021,184          0
disp+work 330 12,775,424          0
disp+work 270  9,945,088          0
mmc        172  9,797,632          0
disp+work 254  7,987,200          0
  
```

```

MEM group-----
      Private      Shared
sqlservr 727,207,936          0
disp+work 281,296,896          0
mmc       9,797,632          0
sqlagent  2,252,800          0
gwrdr     2,158,592          0
perfswcol 1,662,976          0
msg_server 1,560,576          0
SERVICES   1,458,176          0
EXPLORER   1,409,024          0
sqlmangr   1,409,024          0
  
```

```

IO absolute-----
      PID      IO
  
```

```

IO group-----
      IO
  
```

```

--Timestamp----- (Record 21) -----
Thu Jan 18 19:09:00 2001
  
```

```

--VMstat-----
Processors: 2
Interval: 3,614,433,700 (us)
usr: 5.42% sys: 0.57% idle: 187.20%
queue: 0 freepte: 39590
pi: 0.87/s po: 1.88/s
  
```

```

--IOstat-----
Dk Signatur      Read(B)      Write(B) Read(t) Write(t) Idle(t) R(c)
  
```

W(c) Q S

```

-----
0 35CB34EC      1,601,536      4,437,504  234.61   682.54  2682.83   390
979 0 0 3,600,000,000
1 CE2EE96C      11,269,120      39,311,360 1013.35  1276.91  1309.72  2689
1391 0 0 3,600,000,000
2 CE1F98E1      28,762,112      14,426,112 26853.70  9844.53    0.00  2039
810 0 0 36,698,244,965
3 CE2EE96D        65,536        618,496    5.49    20.10  3574.40    8
18 0 0 3,600,000,000

```

--FSstat-----

MountPoint VolNum	PhysDrv	Type	Free (KB)	Total (KB)	%free
C:\pagefile.sys 631AF993 2		PagingFile	120	2,048	5.86%
D:\pagefile.sys B5D97A0C 3000		PagingFile	2,385,772	3,072,000	77.66%
H:\pagefile.sys 00D37BF0 180		PagingFile	2,464	184,320	1.34%
C:\	0	NTFS	1,099,001	4,192,492	26.21%
B8BA90A3 0					
D:\	1	NTFS	115,024	12,129,484	0.95%
6470EC21 0					
E:\	2	NTFS	3,027,768	35,540,408	8.52%
E8E20702 0					
F:\	3	NTFS	559,972	1,198,060	46.74%
A891FC02 0					
H:\	0	NTFS	21,314	208,025	10.25%
5CDA4CC9 0					

--Network-----

T	S	MTU	Speed	RX-Kb/s	TX-Kb/s	RXe	TXe	Interface
24	1	1500	10000000	0	0	0	0	MS TCP Loopback interface
[None]			3,600,093,750					
6	1	1500	10000000	0	0	0	0	AMD PCNET Family Ethernet Adapter [0004AC4CE34D]
				3,600,093,750				

--TopTen-----

Interval: 3,600,093,750 (us)  
ActiveCPUs: 2  
TotalProcesses: 51  
TotalThreads: 329  
TotalIO: 0  
TotalHandles: 8632

CPU absolute-----

	PID	User	Sys	Thrds	Hlds
Idle	0	0	6,766,500	2	0
disp+work	290	223,468	9,953	4	171
sqlservr	153	85,844	12,266	43	967
disp+work	299	35,000	2,766	4	179
disp+work	296	17,750	828	4	167
disp+work	356	9,687	562	4	163
disp+work	323	8,015	1,062	4	166
disp+work	397	6,578	782	4	181
System	2	0	6,188	35	1033
perfwcol	179	1,421	4,203	2	71

```

CPU group-----
      User      Sys Thrds  Hlds
Idle      0 6,766,500      2      0
disp+work 302,263 16,436      82 3430
sqlservr  85,844 12,266      43 967
System      0 6,188      35 1033
perfwcol   1,421 4,203      2 71
inetinfo   1,891 1,562     21 342
sqlagent    328 31      8 93
saposcol    109 203      4 77
SERVICES     47 156     20 289
msdtc       15 32      21 110

```

```

MEM absolute-----
      PID      Private      Shared
sqlservr 153 759,226,368      0
disp+work 397 85,409,792      0
disp+work 267 47,423,488      0
disp+work 290 16,449,536      0
disp+work 323 15,499,264      0
disp+work 330 12,947,456      0
disp+work 296 11,165,696      0
mmc       172 9,797,632      0
disp+work 356 9,502,720      0
disp+work 254 7,958,528      0

```

```

MEM group-----
      Private      Shared
sqlservr 759,226,368      0
disp+work 241,762,304      0
mmc       9,797,632      0
sqlagent  2,252,800      0
gwrdr     1,753,088      0
perfwcol  1,658,880      0
msg_server 1,560,576      0
saposcol  1,413,120      0
sqlmangr  1,409,024      0
EXPLORER  1,409,024      0

```

```

IO absolute-----
      PID      IO

```

```

IO group-----
      IO

```

```

--Timestamp----- (Record 22) -----
Thu Jan 18 20:09:00 2001

```

```

--VMstat-----
Processors: 2
Interval: 3,585,495,500 (us)
usr: 4.93% sys: 0.55% idle: 189.82%
queue: 0 freepte: 39590
pi: 0.07/s po: 1.55/s

```

```

--IOstat-----
Dk Signatur      Read(B)      Write(B) Read(t) Write(t) Idle(t) R(c)
W(c) Q S
-----
0 35CB34EC      205,312      3,997,696      35.41      631.64      2932.93      43

```

```

900 0 0 3,600,000,000
1 CE2EE96C 884,736 33,489,408 114.03 1020.14 2465.82 214
1232 0 0 3,600,000,000
2 CE1F98E1 933,888 0 92.31 0.00 3507.68 114
0 0 0 3,600,000,000
3 CE2EE96D 8,192 561,152 1.35 13.25 3585.39 1
11 0 0 3,600,000,000

```

#### --FSstat-----

MountPoint VolNum	PhysDrv	Type	Free(KB)	Total(KB)	%free
C:\pagefile.sys 631AF993 2		PagingFile	120	2,048	5.86%
D:\pagefile.sys B5D97A0C 3000		PagingFile	2,382,948	3,072,000	77.57%
H:\pagefile.sys 00D37BF0 180		PagingFile	2,248	184,320	1.22%
C:\ B8BA90A3 0	0	NTFS	1,099,001	4,192,492	26.21%
D:\ 6470EC21 0	1	NTFS	114,036	12,129,484	0.94%
E:\ E8E20702 0	2	NTFS	3,027,768	35,540,408	8.52%
F:\ A891FC02 0	3	NTFS	559,972	1,198,060	46.74%
H:\ 5CDA4CC9 0	0	NTFS	21,314	208,025	10.25%

#### --Network-----

T	S	MTU	Speed	RX-Kb/s	TX-Kb/s	RXe	TXe	Interface
24	1	1500	10000000	0	0	0	0	MS TCP Loopback interface
[None]	3,599,890,625							
6	1	1500	10000000	0	0	0	0	AMD PCNET Family Ethernet Adapter [0004AC4CE34D] 3,599,890,625

#### --TopTen-----

```

Interval: 3,599,890,625 (us)
ActiveCPUs: 2
TotalProcesses: 51
TotalThreads: 330
TotalIO: 0
TotalHandles: 8638

```

#### CPU absolute-----

	PID	User	Sys	Thrds	Hlds
Idle	0	0	6,806,062	2	0
disp+work	290	223,500	11,078	4	171
sqlservr	153	73,875	10,765	43	967
disp+work	299	28,859	2,609	4	179
disp+work	323	8,172	813	4	166
System	2	0	6,343	35	1033
disp+work	397	5,390	718	4	185
disp+work	296	5,359	407	4	167
perfswcol	179	1,375	4,219	2	71
disp+work	356	3,657	250	4	163

#### CPU group-----

	User	Sys	Thrds	Hlds
Idle	0	6,806,062	2	0

disp+work	276,375	16,281	82	3434
sqlservr	73,875	10,765	43	967
System	0	6,343	35	1033
perfwcol	1,375	4,219	2	71
inetinfo	1,687	1,782	21	342
sqlagent	360	47	8	93
saposcol	94	187	4	77
msg_server	78	79	4	85
SERVICES	16	125	20	289

MEM absolute-----

	PID	Private	Shared
sqlservr	153	757,809,152	0
disp+work	397	77,152,256	0
disp+work	267	35,467,264	0
disp+work	323	16,543,744	0
disp+work	290	13,807,616	0
disp+work	330	13,312,000	0
disp+work	296	11,780,096	0
mmc	172	9,805,824	0
disp+work	254	7,962,624	0
disp+work	362	7,024,640	0

MEM group-----

	Private	Shared
sqlservr	757,809,152	0
disp+work	213,364,736	0
mmc	9,805,824	0
sqlagent	2,252,800	0
perfwcol	1,662,976	0
msg_server	1,581,056	0
SERVICES	1,433,600	0
saposcol	1,413,120	0
EXPLORER	1,409,024	0
sqlmangr	1,409,024	0

IO absolute-----

	PID	IO
--	-----	----

IO group-----

	IO
--	----

--Timestamp----- (Record 23) -----  
 Thu Jan 18 21:09:00 2001

--VMstat-----  
 Processors: 2  
 Interval: 3,614,577,600 (us)  
 usr: 6.06% sys: 0.90% idle: 185.24%  
 queue: 0 freep: 39590  
 pi: 1.26/s po: 2.15/s

--IOstat-----

Dk	Signatur	Read(B)	Write(B)	Read(t)	Write(t)	Idle(t)	R(c)
W(c)	Q	S					
0	35CB34EC	4,179,456	5,065,728	527.50	813.43	2259.07	921
1146	0 0	3,600,015,625					
1	CE2EE96C	14,435,840	59,802,112	1516.88	1944.87	138.25	3360
2150	0 0	3,600,015,625					

```

2 CE1F98E1 75,284,480 22,192,128298151.60 54578.65 0.00 9017
1829 0 0 352,730,268,286
3 CE2EE96D 32,768 585,728 2.96 13.78 3583.26 4
13 0 0 3,600,015,625

```

```

--FSstat-----
MountPoint      PhysDrv      Type              Free(KB)      Total(KB)      %free
VolNum
-----
C:\pagefile.sys      PagingFile      120            2,048          5.86%
631AF993 2
D:\pagefile.sys      PagingFile      2,376,784      3,072,000      77.37%
B5D97A0C 3000
H:\pagefile.sys      PagingFile      1,828          184,320        0.99%
00D37BF0 180
C:\                0              NTFS            1,099,001      4,192,492      26.21%
B8BA90A3 0
D:\                1              NTFS            113,100        12,129,484      0.93%
6470EC21 0
E:\                2              NTFS            3,027,768      35,540,408      8.52%
E8E20702 0
F:\                3              NTFS            559,972        1,198,060      46.74%
A891FC02 0
H:\                0              NTFS            21,314         208,025        10.25%
5CDA4CC9 0

```

```

--Network-----
T S MTU      Speed RX-Kb/s TX-Kb/s RXe TXe Interface
-----
24 1 1500 100000000 0 0 0 0 MS TCP Loopback interface
[None] 3,600,234,375
6 1 1500 100000000 0 0 0 0 AMD PCNET Family Ethernet
Adapter [0004AC4CE34D] 3,600,234,375

```

```

--TopTen-----
Interval:      3,600,250,000 (us)
ActiveCPUs:    2
TotalProcesses: 51
TotalThreads:  330
TotalIO:       0
TotalHandles:  8642

```

```

CPU absolute-----
PID      User      Sys Thrds Hlds
Idle      0         0 6,695,938 2 0
disp+work 296       228,656 12,640 4 167
sqlservr  153       101,719 22,016 43 967
disp+work 299       44,750 5,109 4 179
disp+work 290       27,953 4,953 4 171
disp+work 356       18,843 2,375 4 163
System    2         0 8,453 35 1035
disp+work 397       6,391 719 4 185
disp+work 323       5,250 734 4 166
perfwork 179       969 4,625 2 71

```

```

CPU group-----
User      Sys Thrds Hlds
Idle      0 6,695,938 2 0
disp+work 333,610 27,047 82 3434
sqlservr  101,719 22,016 43 967
System    0 8,453 35 1035

```

perfwcol	969	4,625	2	71
inetinfo	1,750	1,609	21	342
saposcol	109	156	4	77
sqlagent	234	31	8	93
SERVICES	46	203	20	289
mmc	16	78	4	83

MEM absolute-----

	PID	Private	Shared
sqlservr	153	821,698,560	0
disp+work	397	65,249,280	0
disp+work	267	19,066,880	0
disp+work	296	16,683,008	0
disp+work	323	13,561,856	0
disp+work	330	13,082,624	0
disp+work	290	11,395,072	0
mmc	172	9,687,040	0
disp+work	254	7,966,720	0
disp+work	356	7,454,720	0

MEM group-----

	Private	Shared
sqlservr	821,698,560	0
disp+work	182,579,200	0
mmc	9,687,040	0
sqlagent	2,252,800	0
perfwcol	1,654,784	0
msg_server	1,486,848	0
saposcol	1,409,024	0
EXPLORER	1,409,024	0
sqlmangr	1,409,024	0
SERVICES	1,376,256	0

IO absolute-----

	PID	IO
--	-----	----

IO group-----

	IO
--	----

--Timestamp----- (Record 24) -----  
 Thu Jan 18 22:09:00 2001

--VMstat-----

Processors: 2  
 Interval: 3,585,425,300 (us)  
 usr: 4.92% sys: 0.60% idle: 189.75%  
 queue: 0 freep: 39590  
 pi: 1.94/s po: 2.00/s

--IOstat-----

Dk	Signatur	Read(B)	Write(B)	Read(t)	Write(t)	Idle(t)	R(c)
W(c)	Q	S					
0	35CB34EC	5,820,416	4,212,224	668.09	689.01	2242.93	1252
1000	0 0 0	3,600,046,875					
1	CE2EE96C	22,791,680	41,038,336	2030.01	1318.03	251.99	5136
1425	0 0 0	3,600,046,875					
2	CE1F98E1	729,088	13,025,280	94.90	13541.68	0.00	89
887	0 0 0	13,636,597,615					
3	CE2EE96D	0	552,960	0.00	12.07	3587.97	0

9 0 0 3,600,046,875

```
--FSstat-----
MountPoint      PhysDrv   Type          Free (KB)    Total (KB)    %free
VolNum
-----
C:\pagefile.sys      PagingFile      120          2,048        5.86%
631AF993 2
D:\pagefile.sys      PagingFile      2,375,116    3,072,000    77.31%
B5D97A0C 3000
H:\pagefile.sys      PagingFile      1,744        184,320      0.95%
00D37BF0 180
C:\                0              NTFS          1,099,001    4,192,492    26.21%
B8BA90A3 0
D:\                1              NTFS          112,940      12,129,484    0.93%
6470EC21 0
E:\                2              NTFS          3,027,768    35,540,408    8.52%
E8E20702 0
F:\                3              NTFS          559,972      1,198,060    46.74%
A891FC02 0
H:\                0              NTFS          21,314       208,025      10.25%
5CDA4CC9 0
```

```
--Network-----
T  S  MTU      Speed RX-Kb/s TX-Kb/s RXe TXe Interface
-----
24  1  1500  100000000      0      0      0      0 MS TCP Loopback interface
[None] 3,600,000,000
6  1  1500  100000000      0      0      0      0 AMD PCNET Family Ethernet
Adapter [0004AC4CE34D] 3,600,000,000
```

```
--TopTen-----
Interval:      3,600,000,000 (us)
ActiveCPUs:    2
TotalProcesses: 51
TotalThreads:  330
TotalIO:       0
TotalHandles:  8640
```

```
CPU absolute-----
PID      User      Sys Thrds  Hlds
-----
Idle      0          0  6,803,672  2      0
disp+work 267        222,422   11,797    4      291
sqlservr  153        71,547    11,563    43     967
disp+work 299        28,875    2,875     4      179
disp+work 397        6,297     938       4      187
disp+work 323        6,422     797       4      166
System    2          0         6,719    35     1033
perfvcoll 179        1,172     4,313     2       71
disp+work 270        5,078     344       4      176
inetinfo  133        2,609     2,391    21     342
```

```
CPU group-----
User      Sys Thrds  Hlds
-----
Idle      0  6,803,672  2      0
disp+work 276,845  17,656    82     3436
sqlservr  71,547   11,563    43     967
System    0        6,719    35     1033
perfvcoll 1,172    4,313     2       71
inetinfo  2,609    2,391    21     342
sqlagent  422      63        8       93
```



saposcsl	157	141	4	77
SERVICES	47	203	20	289
msdtc	16	47	21	110

MEM absolute-----

	PID	Private	Shared
sqlservr	153	822,194,176	0
disp+work	397	59,260,928	0
disp+work	267	24,383,488	0
disp+work	323	14,864,384	0
disp+work	259	11,591,680	0
disp+work	330	11,104,256	0
mmc	172	9,797,632	0
disp+work	254	7,954,432	0
disp+work	296	7,778,304	0
disp+work	362	7,098,368	0

MEM group-----

	Private	Shared
sqlservr	822,194,176	0
disp+work	180,441,088	0
mmc	9,797,632	0
sqlagent	2,252,800	0
gwrdr	1,748,992	0
perfswcol	1,654,784	0
msg_server	1,581,056	0
SERVICES	1,536,000	0
saposcsl	1,409,024	0
sqlmangr	1,409,024	0

IO absolute-----

PID	IO
-----	----

IO group-----

IO
----

APPLICATION  
FOR  
UNITED STATES LETTERS PATENT

For  
Remote Remonitoring

Appendix B

CERTIFICATE OF MAILING BY EXPRESS MAIL

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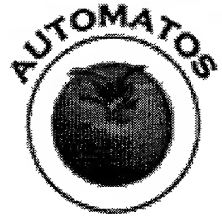
I hereby certify under 37 CFR §1.10 that this correspondence is being deposited with the United States Postal Service as Express Mail Post Office to Addressee with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit

May 11, 2001

Signature

Samantha Bell  
Typed or Printed Name of Person Signing Certificate



# **Performance Analysis**

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## **ACMECORP**

Performance Analysis

<b>Introduction</b>
<b>Summary</b>
<b>Concepts</b>
<b>Availability</b>
<b>CPU Usage</b>
<b>Process Queue</b>
<b>Memory</b>
<b>Network I/O</b>
<b>Disk I/O</b>
<b>Paging Space</b>
<b>File System</b>
<b>Top 10</b>

---

## Introduction

---

Based on data collated in the host ACMECORP, from 01/01/2001, at 01:00, to 10/01/2001, at 00:00, the current performance analysis report was elaborated.

The data used on this report has been obtained from an exclusive collector, with high resolution and low intrusion, developed specially for this end, which executes on the target machine. That collector obtains data directly from the operating system, without any other libraries or additional tools, with a minimum overhead on the system. The data collected is stored using a binary format, in order to provide persistence. When automatically sent, it gets compressed and encrypted, to ensure fast delivery and confidentiality.

The content of this report is based on years of experience on performance analysis and capacity planning. The tool used to generate this report operates in a completely automatic way, without human direct intervention. It uses an extensible inference machine, based on heuristics and rules, improved continuously. Using concepts such as "watermarks" and tolerance, it is possible to determine if a computational resource usage is excessive and if the excess is relevant.

During the monitoring period, the summary of the machine, which has been obtained dynamically, was:



OS : AIX 4.3.3.16  
Host : ACMECORP  
IP address : 192.168.1.15  
Processors : 2 PowerPC\_POWER3  
Memory : 1024 MB  
Model : IBM,9076-260  
Serial : IBM,010003297

The last boot of the host ACMECORP took place on 27/12/2000, at 21:45.

This report is based on monitoring which occurred place between 01/01/2001, at 01:00, and 10/01/2001, at 00:00. The following was worth highlighting within this period:

CPU usage did not show a problem with its maximum usage not exceeding 13%.

The percentage of time the CPU spent waiting for an I/O occurrence remained below the limit of 40% during the whole monitoring period, which indicates that this system is not I/O bound.

The runnable processes queue was not a problem, with its maximum level never exceeding the number of active processors.

The blocked processes queue (awaiting input/output) remained above the level of 1 process(es), as shown in the graph below, thus resulting in a tight bottleneck in the system.

The average paging rate remained low for the whole monitoring period, reaching at most 1.2 pps, indicating that there had been no memory constraint.

All of the real memory was allocated during the monitoring period for processes and file caching .

The amount of virtual memory in use remained low throughout the monitoring period, indicating a low demand for memory by processes.

The transmission rate of the network interface lo0 remained above 45% of the interface capacity, all the time, indicating, therefore, a high level of overload.

The reception rate of the network interface lo0 remained above 45% for most of the time, when the interface was overloaded.

The transmission and reception rates of the network interface css0 remained above 45% of the interface capacity, all the time, indicating, therefore, a high level of overload.

The disk hdisk2 exceeded the limit of usage, for more than 10% of the monitoring period.

The paging space was not a problem, with the usage not having exceeded 6.5%.

In order to be able to understand a performance analysis report, it may be convenient to review some basic concepts. The idea here is not to make a treaty on the subject, but to go through some fundamental aspects related to performance.

System performance means different things to different people. This can range from resource consumption to amount of work performed per unit of time. It will be assumed here that improving performance means improving response time of end users and/or increasing throughput of both end user work and batch work.

The performance of any system depends on how tied up key resources are. The reason being that system performance is, essentially, a function of the time each key resource takes to service a request, plus the time a request has spent queued waiting to be serviced (more details on queues ahead). In case of an information-processing environment, based on computers, key resources are CPU, memory, disk I/O and network I/O.

In order to evaluate resource consumption, criteria must be established. These criteria consist of judging which system performance variables best express this consumption, since many are available. In addition, the watermarks (point where a resource starts to be considered overcommitted - also known as thresholds) for these variables need to be defined. These watermarks are approximate and can vary depending on the characteristics of the system being analyzed.

### Description of key resources

#### 1 - CPU

CPU's can play a significant role in the response time of computational environments, especially when other resources are abundant. This is particularly true in environments where most of the data required is available in memory. For CPU, the key variables to evaluate resource consumption are run-queue and CPU usage.

##### 1.1 - Run-queue

Run-queue means the amount of processes (threads, in fact) which are runnable (ready to execute), being either queued, waiting for a CPU, or already executing. It is a measure of how used up is the CPU, in an environment comprised of many processes (a commercial transaction environment, p.e.). The watermarks, typical of run-queue, are a range between the number of processors available and five times this value. This depends on the response time required for a transaction, versus the amount of CPU required by this transaction.

##### 1.2 - CPU Usage

CPU usage is a measure of how used up is the CPU in an environment

comprised of few heavy processes (such is the case of scientific or commercial environments with few, but complex, batches). It can be used as a criterion for environments with many processes, but run-queue is more meaningful in these cases. CPU usage is expressed in percentage and it can be broken in four categories, usr, sys, idle and wio. Usr stands for user mode or the mode in which a process executes, when not using any operating system service. Sys means system mode, which is the mode a process is placed into when using any operating system service. Idle, as the term suggests, is when a CPU has no process to execute. Wio stands for waiting for I/O, a special case of idleness, where the CPU is available, but there are processes waiting for an I/O operation to complete. CPU usage is normally a concern when  $\text{usr} + \text{sys}$  is above 75 to 85%, in an environment with multiple processes, or is close to 100% / number of processors, in an environment with few processes.

### 2 - Memory

Memory can play different roles in a computational environment, ranging from fast storage area for program data to disk data caching (making up for the slower speed of disk subsystems). This means that memory is consumed for very distinct purposes. Memory consumption, being understood as not only real memory (RAM), but as the entire virtual memory subsystem, can be well evaluated by paging activity, virtual memory usage and paging space usage.

Paging activity occurs when the real memory being managed by a virtual memory subsystem is overcommitted. In a small degree, it is not a problem, since the main purpose of the virtual memory subsystem is to be able to maximize system throughput by allowing process memory to be swapped in and out. It becomes a critical issue when paging reaches high rates. The point is that paging indicates that the sum of the working sets (ranges of virtual memory addresses of processes that need to be accessible at a given moment) of the processes, plus what is left aside for the operating system and file caching, exceeds the amount of real memory available. Paging is broken down in page in (pi) and page out (po). A page in is usually regarded as more serious, since it may indicate a thrashing condition (the system is spending too much time just paging). The watermark for paging ( $\text{pi} + \text{po}$ ) is in the range of 10 pages per second.

Paging space usage is a fundamental concern when analyzing the state of the virtual memory manager. If no paging space is available, definitely no new process will be spawned and, very likely, some existing processes may be terminated by the operating system in order to make room in the paging space. So, real memory constraints impact performance, but paging space constraints put in risk the entire execution environment. The amount of virtual memory devoted to process segments (process data area) is directly related to paging space usage, if the operating system in question is working with early paging

space allocation (allocate space in the paging area whenever it is allocated in real memory). In this case, the amount of space being used in the paging area is the sum of the data areas of all running processes, which is the major component in determining the amount of real memory required by the system. If the amount of virtual memory in use exceeds the amount of real memory available, paging will very likely occur, initiating performance degradation. In an environment experiencing significant growth rates, especially in terms of users, it is advisable to keep the average paging space usage rate at 50%. Obviously, this concern does not exist or is less serious in the case of operating systems that are able to allocate paging space dynamically.

### 3 - Disk I/O

Disk I/O is certainly one of the main subjects when performance is in discussion. This is particularly true in commercial environments. Disks, being mechanical devices (in comparison with other devices which are faster, because they are electronic) can, if not properly used, put in jeopardy the performance of an entire system. In addition, disks can present two very distinct personalities - one, when accessing data in random mode (slower, because it involves arm movement), and other, when accessing data in sequential mode (faster, because it only involves plate movement). Also, the performance of disks varies according to the blocking factor (amount of data involved in a same operation), since the impact of the overhead is diluted, in the case of large blocks. Therefore, disks must be closely watched. Among the key variables that provide information on disk I/O usage are bandwidth occupation, transfers (I/Os) per second, transfer rate (usually expressed in KB/s) and physical read to write ratio.

#### 3.1 - Bandwidth occupation

Bandwidth occupation is probably the most important variable when evaluating disk I/O. It is calculated based on the number of samples taken within a period (1 second, p.e.) that found a given disk to be busy. It is highly dependent on the rate of requests being sent to the disks and the type of data access being required by these requests (since random requests take longer to be serviced than sequential requests). With bandwidth occupation, it is possible to estimate whether disk I/O requests for a given disk are spending time in queues, instead of being serviced promptly. The disk bandwidth occupation watermarks regarded as acceptable vary from 15%, for environments with predominantly random access (OLTP with simple transactions), to 65%, for environments with predominantly sequential access (datawarehouse, complex batch applications, etc.). A criterion of 40% is adequate for mixed environments (which constitute the great majority of the cases).

#### 3.2 - Transfers per second

Transfers per second provide a good complementary information to



bandwidth occupation, specially in order to evaluate more subtle bottlenecks such as disk adapters (SCSI, FC-AL, SSA, etc.). Disks adapters have a ceiling, in terms of transfers per second, that might be reached without notice, limiting, therefore, the I/O capability of multiple disks. Physical disks support about 100 to 120 transfers per second, when accessing data in random mode, and 10x these values or more, when accessing data in sequential mode. So, it is considered acceptable to keep disks operating at a sustained rate of about 50% of these values.

### 3.3 - Transfer rate

Transfer rate informs the amount of data that is being received from disks or being sent to disks, per unit of time. Like bandwidth occupation and transfers per second, transfer rate is a function of the rate of requests being sent to the disks and the type of access being required by these requests (random access requires more time to be serviced and, therefore, limits transfer rates). Another key aspect of transfer rate is that it may also expose the ceiling of disk adapters, regarding this characteristic. In addition, computer I/O buses may also impose a limit on the transfer rates of adapters inserted in these buses. The typical watermarks for transfer rates, per individual physical disk, varies from 400 to 1.000 KB/s, for random I/O, to between 4.000 KB/s and 25.000 KB/s (when using large blocks), for sequential I/O.

### 3.4 - Physical read to write ratio

The physical read to write ratio for disk I/O is important in determining whether a given database configuration is adequate and whether the type of disk layout being used is the most suitable. When the number of physical reads more than exceeds 5x the number of writes, it might mean (although not necessarily) that the size of a database buffer cache is not big enough. Therefore, the database software might be operating with an unacceptable hit ratio (ratio of logical reads that are satisfied by the cache). A physical read to write ratio below 2.5x, although not a problem in itself, might not be adequate for certain disk layouts such as RAID-5, since this arrangement has a significant write-penalty (additional effort required to perform write operations, when compared to read operations).

## 4 - Network I/O

Network I/O, although also a key resource, seldomly plays a major role in influencing response time, except when wide area networks (WAN's) are involved. Nevertheless, this resource must also be monitored, for it may hide some surprises. The key variables to evaluate network I/O are transfer rate (or, bandwidth occupation of the maximum transfer rate), error rate and latency.

### 4.1 - Transfer rate

Similar to disk I/O, the transfer rate of network adapters depends on block size, although the impact is not as significant. On the other hand, there is direct correlation between transfer rate and bandwidth usage in the case of network I/O, whereas with disk I/O this is not the case (since the data access mode must be considered). Typically, collision-prone networks (Ethernet, without switches, p.e.) should operate at 30 to 40% of their nominal capacity and other types of networks should be kept at 50 to 70% of their nominal capacity.

### 4.2 - Error rate

Error rate provides a measure of how effective the transfer rate is in a network, since a high error rate will mean that the effective transfer rate is very low. Most network adapters and network device drivers provide some means of retrieving error information, which is presented as a complementary statistic to the transfer rate itself. Major causes of high error rates in LANs are collisions (two or more network devices trying to send data at the same time), stationary waves (signal that remains in the network due to poor termination), full-duplex/half-duplex mismatch (operation mode mismatch between adapters and hubs/switches) and speed mismatch (speed mismatch between adapters and hubs/switches). A major cause of high error rates in WANs is noise (heat, electromagnetic noise, etc.). The watermark for error rate in LANs should be of 1% or even less and for WANs should be of about 5%.

### 4.3 - Network latency

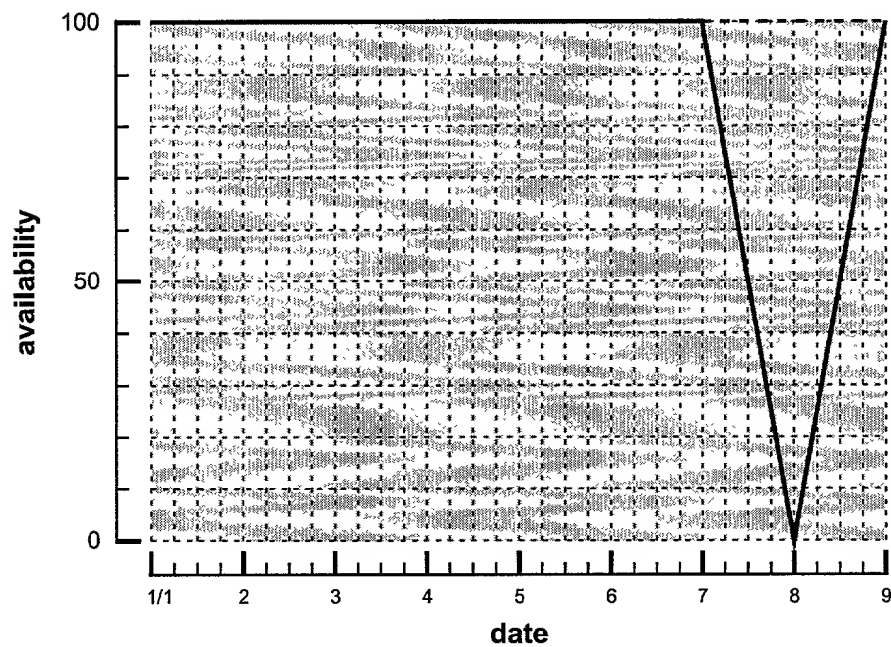
Network latency can be measured by various schemes, the most common being echo requests (TCP/IP ping, p.e.). It is a measure of how long the first packet, of a chain of packets, took to reach its destination. The point is that it is not enough to have high bandwidth if the first packet requires a very significant time to arrive. This is the case with satellite links, but may also apply to confined networks. For instance, the latency of ATM and gigabit Ethernet can be very small for conventional applications, but it is high for parallel computing applications.. Another aspect of latency is that it may have an important software component, such as the one caused by operating systems protocol stacks (communication subsystems). The typical latencies desired for corporate LAN's (Local Area Networks) are in the range of 1 to 10 ms.

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## Availability

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During this analysis monitoring period the machine maintained the following availability rate.



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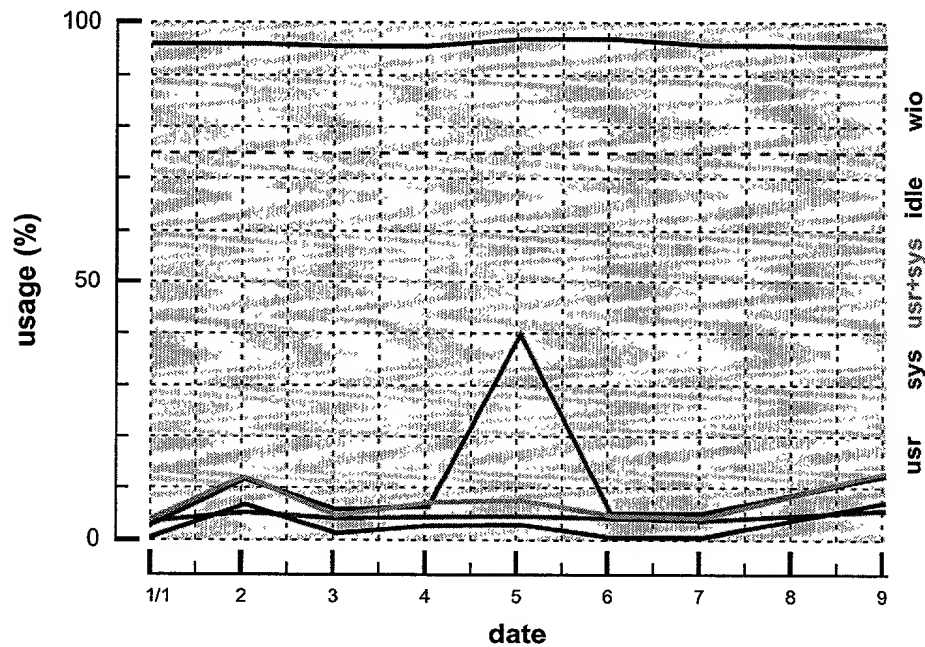
## CPU Usage

---



CPU usage was not a problem, as shown in the graph below, with its average usage not exceeding 75%.

The percentage of time the CPU spent waiting for an I/O occurrence remained below the level of 40% during the whole monitoring period.



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## Process Queue

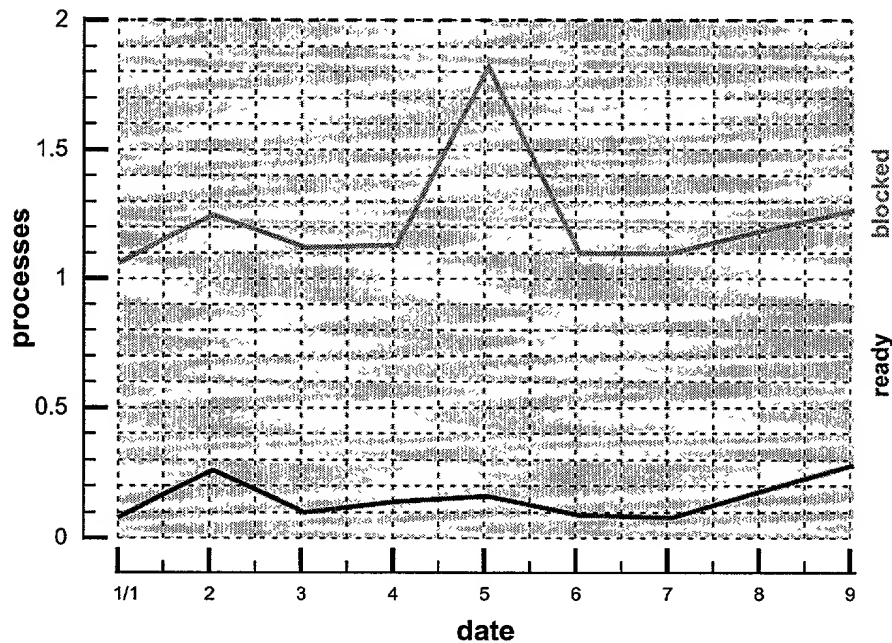
---



The runnable processes queue was not a problem, as shown in the graph below, never exceeding 2 process(es).

The blocked processes queue (awaiting input/output) remained above the level of 1 process(es), as shown in the graph below, thus resulting in a tight bottleneck in the system.

The greatest number of processes and threads running occurred on 05/01, at 00:00, with 157 processes and 195 threads.



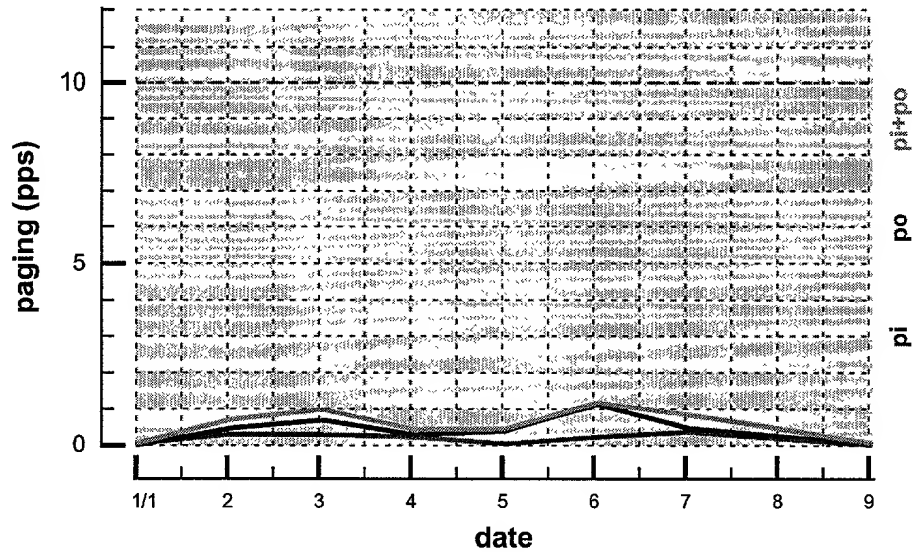
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## Memory

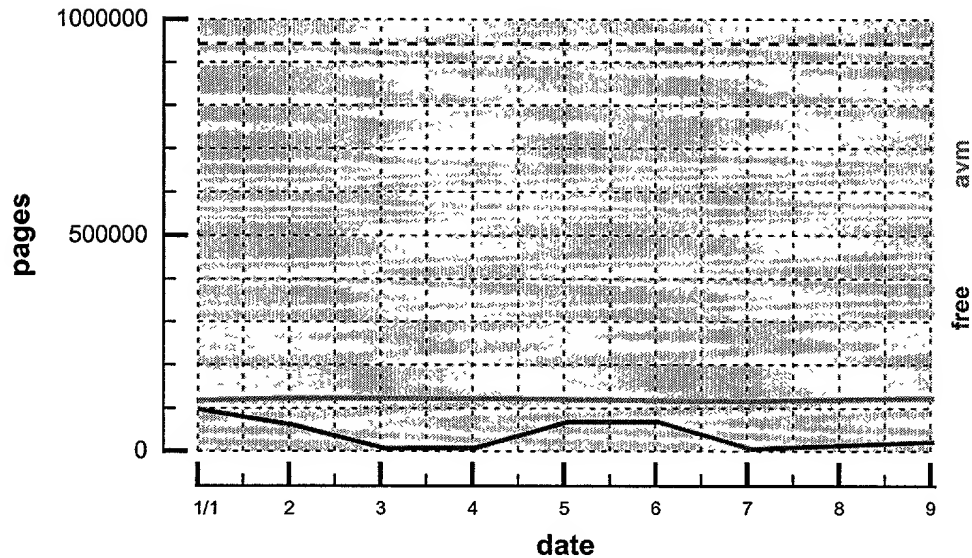
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The average paging rate remained below the recommended level during the whole monitoring period, indicating the absence of memory constraints.



The amount of virtual memory in use remained low throughout the monitoring period.



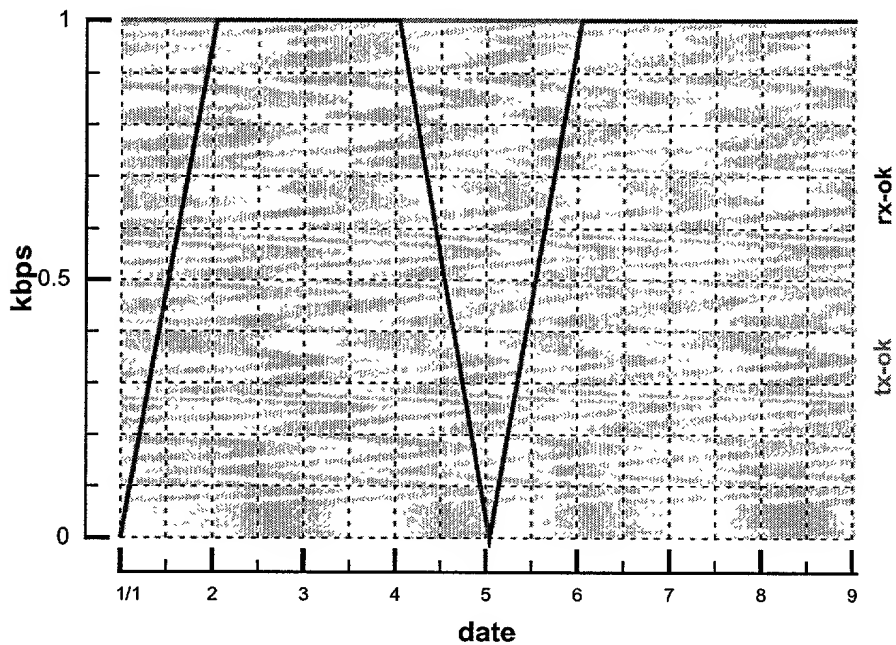
All of the real memory was allocated during the monitoring period for processes and file caching.



The transmission rate remained above 40% of the interface capacity, for the whole time, indicating, therefore, a heavy overload.

The reception rate remained above 40% for most of the time, when the interface was overloaded.

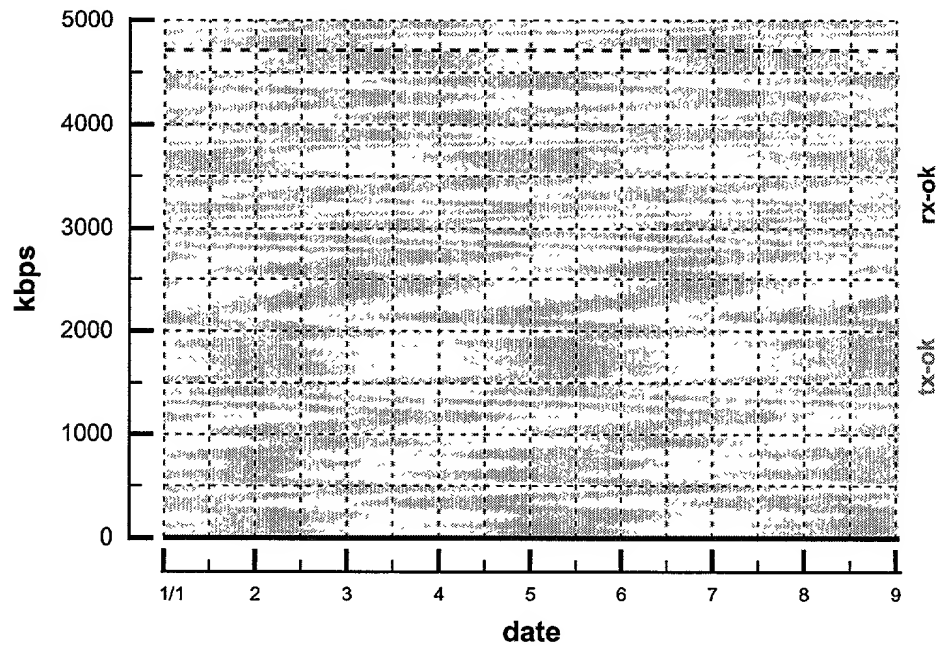
There were no errors in transmission and/or reception.





The transmission and reception rates remained below 40% of the interface capacity, for the whole time, without, therefore, having an overload.

There were no errors in transmission and/or reception.

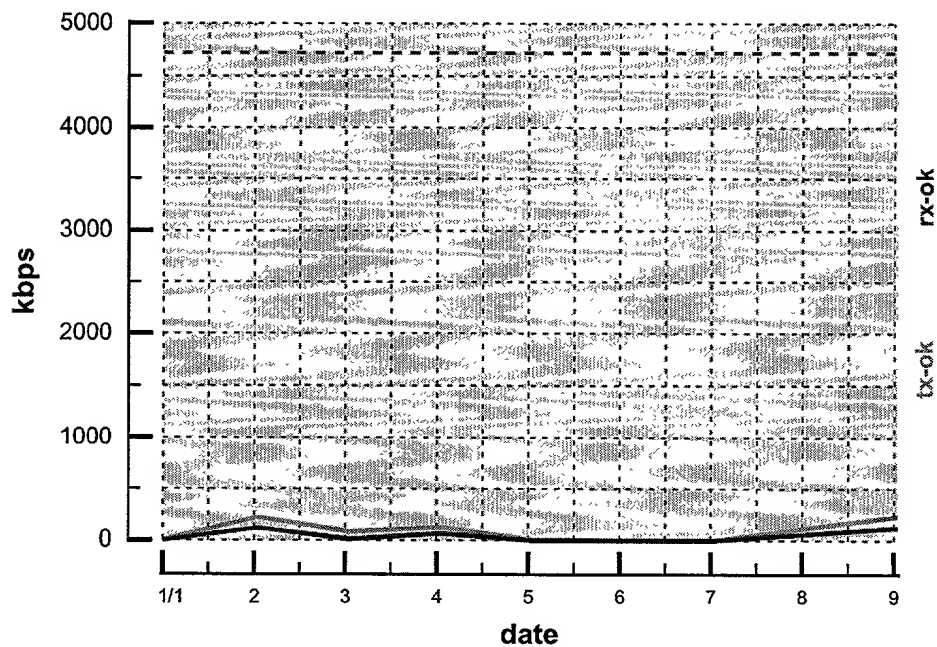






The transmission and reception rates remained below 40% of the interface capacity, for the whole time, without, therefore, having an overload.

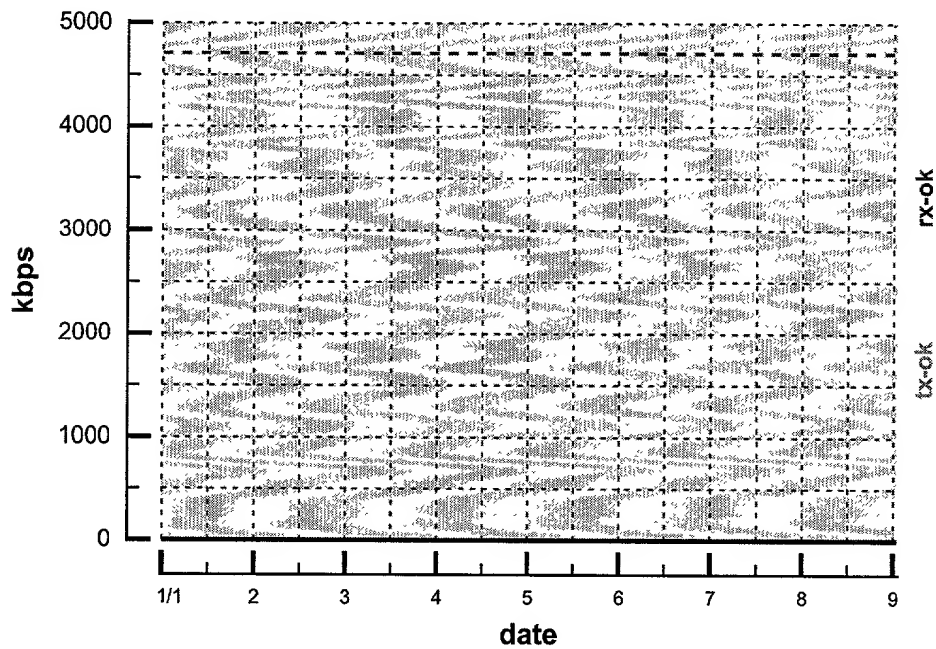
There were no errors in transmission and/or reception.





The transmission and reception rates remained below 40% of the interface capacity, for the whole time, without, therefore, having an overload.

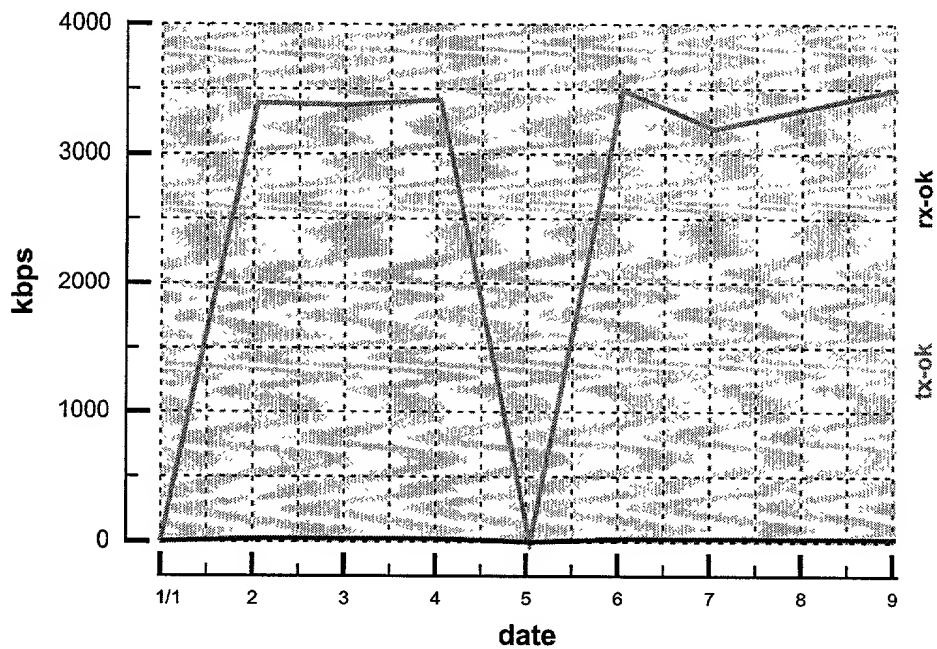
There were no errors in transmission and/or reception.





The transmission and reception rates remained above 40% of the interface capacity, for the whole time, indicating, therefore, a heavy overload.

There were no errors in transmission and/or reception.



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## Disk I/O

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The 4 disks were analyzed for the following requisites: transaction rate, transfer rate and usage.

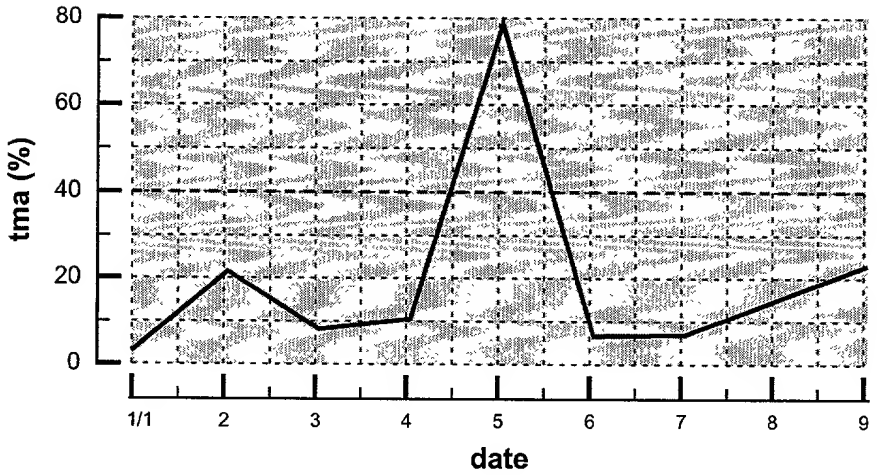
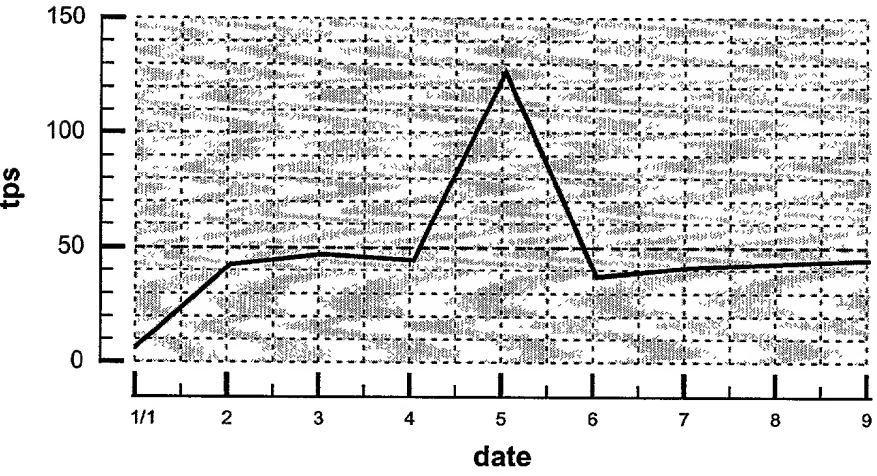
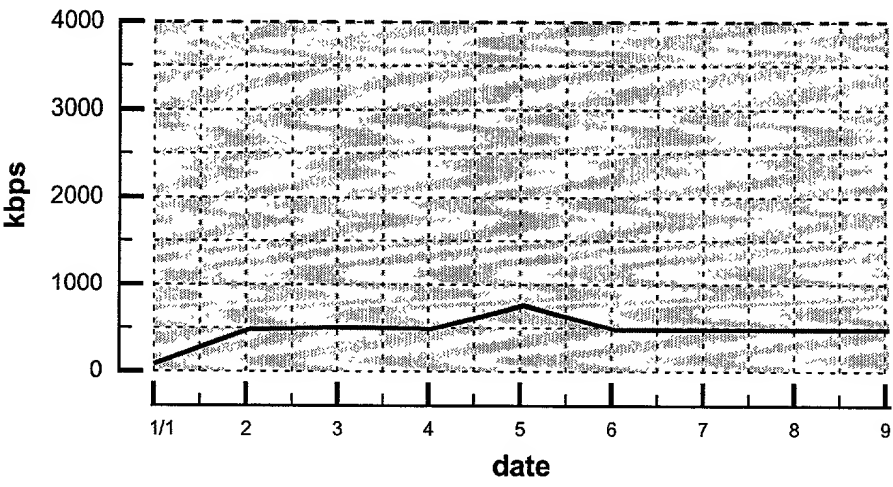
The disk hdisk2 exceeded the limit of tps, for more than 10% of the monitoring period.

The disk hdisk2 exceeded the limit of usage, for more than 10% of the monitoring period.

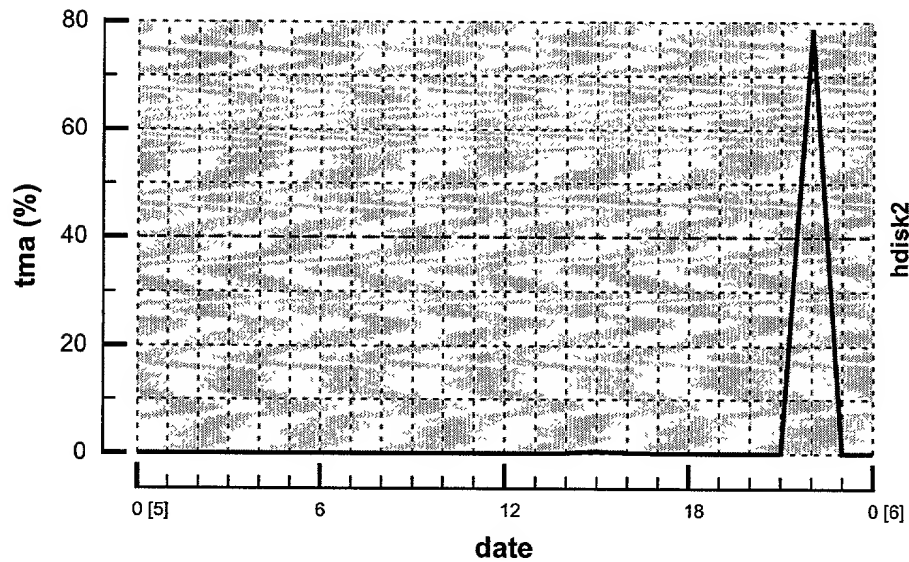
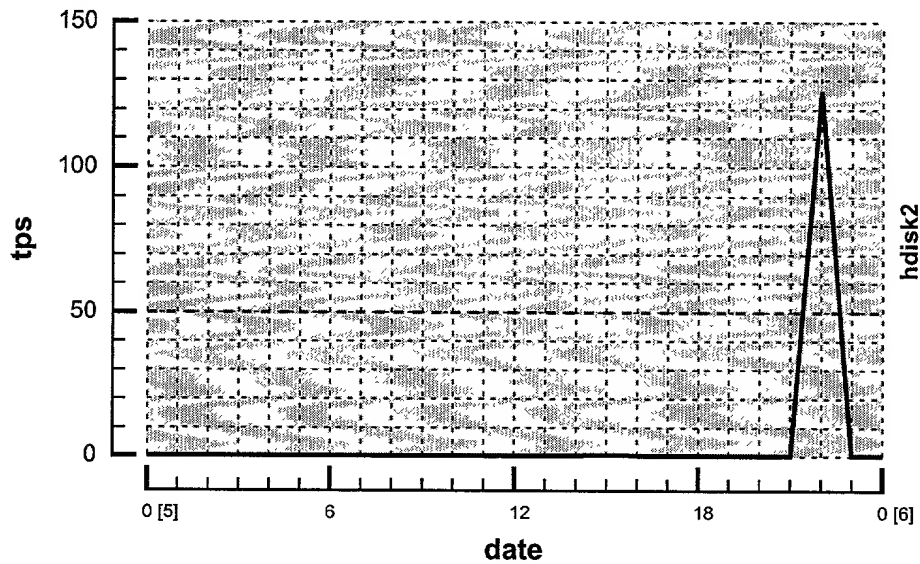
The other disks showed good results, without exceeding the limits of each of the requisites.

The graphs relating to disk hdisk2 are shown on the following pages.

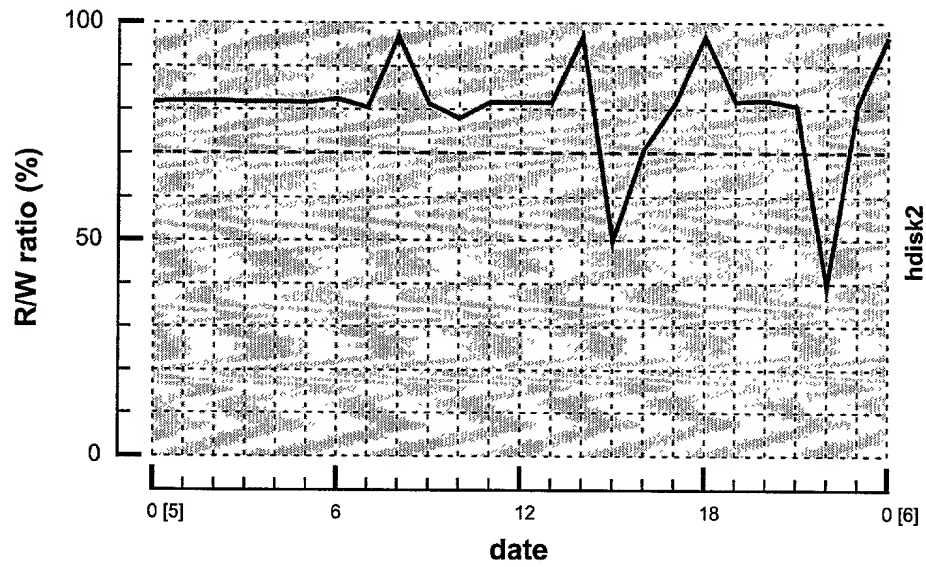
Disk I/O



On the 05/01, at 01:00, the disk I/O showed the highest activity during the whole monitoring period. The graph below represents the status on this day.



The graph below shows the disk hdisk2 Read/Write ratio, during the highest I/O activity period.



Status of 10 processes with the most I/O activity on the 05/01, at 01:00.  
At that time there was 1020 open files.

## ABSOLUTE

PROCESS	PID	FILES	USAGE
nim_hps	22478	0	49%
vmstat	51140	0	28%
init	1	0	7%
dtlogin	4408	0	5%
clstrmgr	21472	0	2%
perfwcol	42404	0	1%
nim_ether	20282	0	1%
i4lmd	12672	0	0%
dm_ep_engine	18874	0	0%
dsmmonitord	7746	0	0%

## GROUP

PROCESS	FILES	USAGE
nim_hps	0	49%
vmstat	0	28%
init	0	7%
dtlogin	0	5%
clstrmgr	0	2%
perfwcol	0	1%
nim_ether	0	1%
i4lmd	0	0%
dm_ep_engine	0	0%
dsmmonitord	0	0%



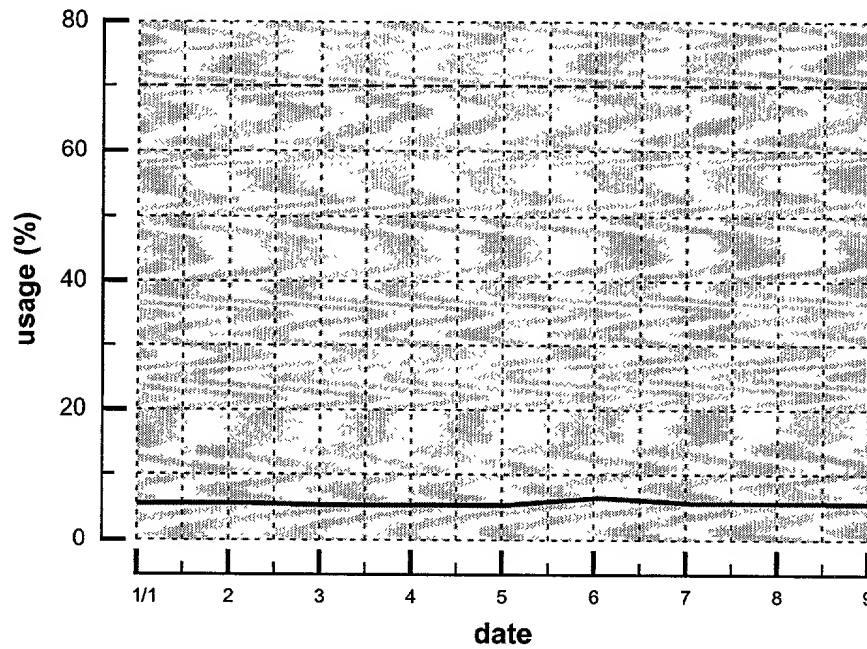
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## Paging Space

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The paging space (1572864 pages) was not a problem, as shown in the graph below, with the usage not exceeding 6.5%.



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## File System

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Status of the file system at the end of the monitoring period:

FileSystem	Mounted	Total	Free	%Used
/dev/hd4	/	32768	5232	84
/dev/hd2	/usr	1474560	264168	82
/dev/hd9var	/var	131072	30916	76
/dev/hd3	/tmp	131072	126776	3
/dev/hd1	/home	32768	31576	3
/dev/lv01	/backup	32768	26360	19
/dev/lv02	/temp	229376	74068	67
/dev/lv03	/usr/local	32768	28764	12
/dev/lvimage	/image	2621440	2538212	3
/dev/hdwl001	/var/opt/perf	4587520	4318872	5
/dev/hdwl002	/usr/lpp/perf	32768	8580	73
/dev/utlv000	/util	32768	31668	3
/dev/lv04	/DENYALL	524288	384328	26
/dev/im1p01homlv002	/home/cltadmin	4096	3904	4
/dev/im1p01homlv003	/home/db2fenc1	4096	3920	4
/dev/im1p01db2dv101	/home/db2inst1	1843200	249700	86
/dev/im1p01homlv001	/home/lisadmin	65536	60968	6
/dev/im1p01tivlv001	/opt/tivim1p1	12288	4436	63
/dev/audlv001	/opt/audim1p1	196608	190356	3
Paging space		1572864	1484584	5

Processes that most used CPU during the monitoring period, as from 01/01.

## ABSOLUTE

PROCESS	PID	THREADS	USAGE
wait	516	1	48%
wait	774	1	48%
syncd	5466	1	1%
hatsd	16514	10	0%
gil	1548	5	0%
dtlogin	4408	1	0%
nim_ether	20282	1	0%
nim_hps	22478	1	0%
swapper	0	1	0%
i4lmd	12916	1	0%

## GROUP

PROCESS	THREADS	USAGE
wait	2	97%
syncd	1	1%
hatsd	10	0%
gil	5	0%
dtlogin	1	0%
nim_ether	2	0%
nim_hps	1	0%
swapper	1	0%
i4lmd	2	0%
clstrmgr	1	0%

## ABSOLUTE

PROCESS	PID	THREADS	USAGE
wait	516	1	46%
wait	774	1	46%
syncd	5466	1	1%
db2sysc	26972	1	0%
gil	1548	5	0%
hatsd	16514	10	0%
dtlogin	4408	1	0%
frnxllch	53246	1	0%
frnxllch	52406	1	0%
frnxllch	21976	1	0%

## GROUP

PROCESS	THREADS	USAGE
wait	2	93%
db2sysc	35	1%
syncd	1	1%
frnxllch	20	1%
frnxliis	22	0%
gil	5	0%
hatsd	10	0%
dtlogin	1	0%
nim_ether	2	0%
dsmc	5	0%

## ABSOLUTE

PROCESS	PID	THREADS	USAGE
wait	516	1	48%
wait	774	1	47%
syncd	5466	1	2%
hatsd	16514	10	0%
gil	1548	5	0%
dtlogin	4408	1	0%
nim_ether	20282	1	0%
dsmc	47178	8	0%
nim_hps	22478	1	0%
swapper	0	1	0%

## GROUP

PROCESS	THREADS	USAGE
wait	2	96%
syncd	1	2%
hatsd	10	0%
gil	5	0%
dtlogin	1	0%
nim_ether	2	0%
frnxllch	20	0%
db2sysc	35	0%
dsmc	8	0%
nim_hps	1	0%

## ABSOLUTE

PROCESS	PID	THREADS	USAGE
wait	516	1	48%
wait	774	1	47%
syncd	5466	1	2%
hatsd	16514	10	0%
gil	1548	5	0%
dtlogin	4408	1	0%
nim_ether	20282	1	0%
dsmc	47178	11	0%
nim_hps	22478	1	0%
i4llmd	12916	1	0%

## GROUP

PROCESS	THREADS	USAGE
wait	2	96%
syncd	1	2%
frnxllch	20	0%
db2sysc	35	0%
hatsd	10	0%
gil	5	0%
dtlogin	1	0%
nim_ether	2	0%
dsmc	11	0%
frnxllis	22	0%

## ABSOLUTE

PROCESS	PID	THREADS	USAGE
wait	516	1	48%
wait	774	1	48%
syncd	5466	1	1%
db2sysc	49562	1	0%
hatsd	16514	10	0%
gil	1548	5	0%
dtlogin	4408	1	0%
nim_ether	20282	1	0%
db2sysc	35374	1	0%
db2sysc	14932	1	0%

## GROUP

PROCESS	THREADS	USAGE
wait	2	96%
syncd	1	1%
db2sysc	35	0%
hatsd	10	0%
gil	5	0%
dtlogin	1	0%
nim_ether	2	0%
nim_hps	1	0%
swapper	1	0%
i4llmd	2	0%

## ABSOLUTE

PROCESS	PID	THREADS	USAGE
wait	516	1	48%
wait	774	1	48%
syncd	5466	1	1%
gil	1548	5	0%
hatsd	16514	10	0%
dtlogin	4408	1	0%
dsmc	47178	5	0%
nim_ether	20282	1	0%
nim_hps	22478	1	0%
i4llmd	12916	1	0%

## GROUP

PROCESS	THREADS	USAGE
wait	2	97%
syncd	1	1%
gil	5	0%
hatsd	10	0%
dtlogin	1	0%
nim_ether	2	0%
dsmc	5	0%
nim_hps	1	0%
i4llmd	2	0%
lrud	1	0%



## ABSOLUTE

PROCESS	PID	THREADS	USAGE
wait	516	1	24%
wait	774	1	23%
syncd	5466	1	1%
hatsd	16514	10	0%
gil	1548	5	0%
dtlogin	4408	1	0%
nim_ether	20282	1	0%
dsmc	47178	8	0%
nim_hps	22478	1	0%
clstrmgr	21472	1	0%

## GROUP

PROCESS	THREADS	USAGE
wait	2	48%
syncd	1	1%
hatsd	10	0%
gil	5	0%
dtlogin	1	0%
nim_ether	2	0%
dsmc	8	0%
nim_hps	1	0%
clstrmgr	1	0%
i4llmd	2	0%

## ABSOLUTE

PROCESS	PID	THREADS	USAGE
wait	516	1	48%
wait	774	1	47%
syncd	5466	1	2%
db2sysc	33452	1	0%
gil	1548	5	0%
hatsd	16514	10	0%
frnxllch	29344	1	0%
frnxllch	53968	1	0%
frnxllch	35966	1	0%
frnxllch	30956	1	0%

## GROUP

PROCESS	THREADS	USAGE
wait	2	95%
db2sysc	35	2%
syncd	1	2%
frnxllch	20	1%
frnxllis	22	0%
gil	5	0%
hatsd	10	0%
nim_ether	2	0%
dtlogin	1	0%
nim_hps	1	0%

Processes that most used memory during the monitoring period, as from 01/01. The usage is showed as KB.

## ABSOLUTE

PROCESS	PID	THREADS	USAGE
hatsd	16514	10	6
dsmc	47178	14	6
hagsd	17030	1	4
db2sysc	42856	1	3
db2sysc	44638	1	3
haemd	15996	1	3
harmad	15744	1	2
db2sysc	38968	1	2
X	20760	1	2
X	54000	1	2

## ABSOLUTE

PROCESS	PID	THREADS	USAGE
hatsd	16514	10	6
dsmc	47178	5	6
hagsd	17030	1	4
db2sysc	44638	1	3
haemd	15996	1	3
harmad	15744	1	2
db2sysc	38968	1	2
i4llmd	12916	1	1
i4llmd	12672	1	1
dsmreca1ld	6216	1	1

## ABSOLUTE

PROCESS	PID	THREADS	USAGE
dsmc	47178	8	6
hatsd	16514	10	6
hagsd	17030	1	4
haemd	15996	1	3
harmad	15744	1	2
i4llmd	12916	1	1
i4llmd	12672	1	1
dsmrecalld	6216	1	1
fault_service_Worm_RTG_SP	11374	1	1
dsmmonitord	7746	1	1

## ABSOLUTE

PROCESS	PID	THREADS	USAGE
dsmc	47178	11	6
hatsd	16514	10	6
hagsd	17030	1	4
haemd	15996	1	3
harmad	15744	1	2
db2sysc	35126	1	2
i4llmd	12916	1	1
i4llmd	12672	1	1
dsmrecalld	6216	1	1
db2sysc	45062	1	1

## ABSOLUTE

PROCESS	PID	THREADS	USAGE
dsmc	47178	14	6
hatsd	16514	10	6
hagsd	17030	1	4
haemd	15996	1	3
db2sysc	35374	1	3
harmad	15744	1	2
db2sysc	13418	1	2
db2sysc	45062	1	2
db2sysc	35126	1	2
db2sysc	14932	1	2

ABSOLUTE

PROCESS	PID	THREADS	USAGE
dsmc	47178	5	6
hatsd	16514	10	6
hagsd	17030	1	4
db2sysc	35374	1	3
haemd	15996	1	3
harmad	15744	1	2
db2sysc	14932	1	2
db2sysc	49562	1	2
db2sysc	45062	1	2
db2sysc	35126	1	2

TOP 10 "absolute"



## ABSOLUTE

PROCESS	PID	THREADS	USAGE
dsmc	47178	8	6
hatsd	16514	10	6
hagsd	17030	1	4
haemd	15996	1	3
harmad	15744	1	2
db2sysc	45062	1	2
db2sysc	35126	1	2
i4llmd	12916	1	1
i4llmd	12672	1	1
dsmreca1d	6216	1	1

ABSOLUTE

PROCESS	PID	THREADS	USAGE
hatsd	16514	10	6
dsmc	47178	14	6
hagsd	17030	1	4
haemd	15996	1	3
harmad	15744	1	2
db2sysc	45062	1	2
db2sysc	35126	1	2
i4llmd	12916	1	1
i4llmd	12672	1	1
dtlogin	4408	1	1

Top 10 Processes by Memory Usage